

Request - Nobel, Jarnell

Access DB# 161320

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Sabiha Qazi Examiner #: 74141 Date: 8/2/05  
Art Unit: 1616 Phone Number 30 20622 Serial Number: 10/616, 950  
Mail Box and Bldg/Room Location: 4C70, Room 4A45 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Fungicidal use  
Inventors (please provide full names): Markus Gewehr et al

Earliest Priority Filing Date: 60/394,932 7/11/2002

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for the compd of  
formula 1 in cl 1 and method of  
controlling *Pseudocercospora*  
*herpotrichoides* in crop plants

cls 1-5. OR + Halogen at any position  
{ Search for OR + Halogen at any position  
get the isomers  
Please see attached sheet

Thank you

### STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Noble</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>3</u>	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic <u>✓</u>	Dr. Link _____
Date Completed: <u>8/23/05</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep. Review Time: <u>12</u>	Fulltext _____	Sequence Systems _____
Clerical Prep. Time: _____	Patent Family _____	WWW/Internet _____
Online Time <u>53</u>	Other _____	Other (specify) _____

=&gt; d his

(FILE 'HOME' ENTERED AT 07:20:00 ON 23 AUG 2005)

FILE 'HCAPLUS' ENTERED AT 07:20:06 ON 23 AUG 2005

L1 1 US2004063793/PN OR (US2003-616950# OR US2002-394932#)/AP,PRN

FILE 'REGISTRY' ENTERED AT 07:21:19 ON 23 AUG 2005

FILE 'HCAPLUS' ENTERED AT 07:21:19 ON 23 AUG 2005

L2 TRA L1 1- RN : 5 TERMS

FILE 'REGISTRY' ENTERED AT 07:21:19 ON 23 AUG 2005

L3 5 SEA L2

FILE 'WPIX' ENTERED AT 07:21:23 ON 23 AUG 2005

L4 1 L1

=&gt; b hcap

FILE 'HCAPLUS' ENTERED AT 07:22:03 ON 23 AUG 2005

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FILE COVERS 1907 - 23 Aug 2005 VOL 143 ISS 9

FILE LAST UPDATED: 22 Aug 2005 (20050822/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=&gt; d all l1 tot

L1 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:60223 HCAPLUS

DN 140:106945

ED Entered STN: 26 Jan 2004

TI Use of benzophenones as fungicides for controlling Pseudocercospora herpotrichoides

IN Gewehr, Markus; Rose, Ingo; Mueller, Bernd; Ammermann, Eberhard; Orth, Ann; Van Tuyl Cotter, Henry

PA BASF Aktiengesellschaft, Germany

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM A01N035-04

CC 5-2 (Agrochemical Bioregulators)

FAN.CNT 1

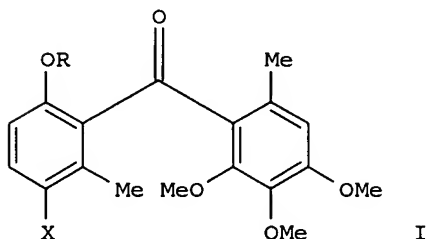
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004006675	A1	20040122	WO 2003-EP7255	20030707 <--
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Search done by Ross Schipe

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,  
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
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 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
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 CA 2491408 AA 20040122 CA 2003-2491408 20030707 <--  
 BR 2003011981 A 20050322 BR 2003-11981 20030707 <--  
 EP 1523238 A1 20050420 EP 2003-763730 20030707 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 US 2004063793 A1 20040401 US 2003-616950 20030711 <--  
 PRAI US 2002-394932P P 20020711 <--  
 WO 2003-EP7255 W 20030707

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004006675	ICM	A01N035-04
WO 2004006675	ECLA	A01N035/04 <--
US 2004063793	NCL	514/689.000
	ECLA	A01N035/04 <--
OS MARPAT 140:106945		
GI		



AB Benzophenones (I, R = H or C1-C4 alkyl; X = F, Cl, Br) are useful as fungicides for controlling *Pseudocercospora herpotrichoides* in cultivated plants. Thus, the incidence of eyespot disease in wheat inoculated with *P. herpotrichoides* was 0-25% when plants had been treated with 63 ppm I (R = Me or H; X = Br or Cl), whereas 100% of untreated plants were infected.

ST benzophenone fungicide *Pseudocercospora* control

IT Fungicides  
*Hordeum vulgare*  
*Oculimacula yallundae*  
 (benzophenones as fungicides for controlling *Pseudocercospora herpotrichoides* in crops)

IT *Triticum aestivum*  
 (disease, eyespot; benzophenones as fungicides for controlling *Pseudocercospora herpotrichoides* in crops)

IT 220899-03-6 220900-12-9 252955-10-5 252955-12-7  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as fungicide for controlling *Pseudocercospora herpotrichoides* in crops)

IT 252955-11-6D, derivs.  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as fungicides for controlling *Pseudocercospora herpotrichoides* in crops)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) American Cyanamid Co; EP 0897904 A 1999 HCAPLUS
- (2) American Cyanamid Co; EP 1023835 A 2000 HCAPLUS
- (3) Leadbitter, N; WO 0180643 A 2001 HCAPLUS
- (4) Novartis Erfind Verwalt GmbH; WO 0072677 A 2000 HCAPLUS

=> b reg;d ide l3 tot

FILE 'REGISTRY' ENTERED AT 07:22:14 ON 23 AUG 2005

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STRUCTURE FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

DICTIONARY FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

L3 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2005 ACS on STN

RN 252955-12-7 REGISTRY

ED Entered STN: 17 Jan 2000

CN Methanone, (3-chloro-6-hydroxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-(3-Chloro-6-hydroxy-2-methylphenyl)-1-(2,3,4-trimethoxy-6-methylphenyl)methanone

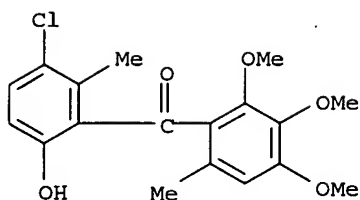
FS 3D CONCORD

MF C18 H19 Cl O5

CI COM

SR CA

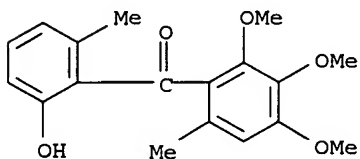
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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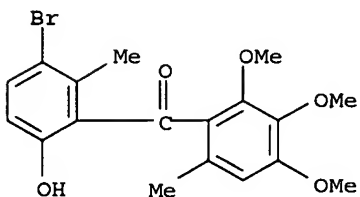
L3 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 252955-11-6 REGISTRY  
ED Entered STN: 17 Jan 2000  
CN Methanone, (2-hydroxy-6-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)-  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C18 H20 O5  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

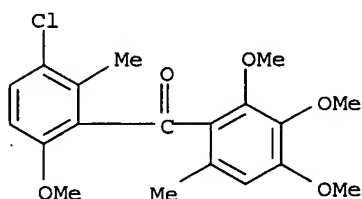
L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 252955-10-5 REGISTRY  
ED Entered STN: 17 Jan 2000  
CN Methanone, (3-bromo-6-hydroxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C18 H19 Br O5  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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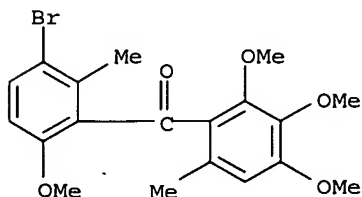
L3 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 220900-12-9 REGISTRY  
ED Entered STN: 01 Apr 1999  
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FS 3D CONCORD  
MF C19 H21 Cl O5  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 220899-03-6 REGISTRY  
ED Entered STN: 01 Apr 1999  
CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Metrafenone  
FS 3D CONCORD  
MF C19 H21 Br O5  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, CBNB, TOXCENTER, USPAT2, USPATFULL



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

21 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
21 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> b wpix

FILE 'WPIX' ENTERED AT 07:22:16 ON 23 AUG 2005  
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FILE LAST UPDATED: 18 AUG 2005 <20050818/UP>  
MOST RECENT DERWENT UPDATE: 200553 <200553/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,  
PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE  
<http://thomsonderwent.com/coverage/latestupdates/> <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
GUIDES, PLEASE VISIT:  
<http://thomsonderwent.com/support/userguides/> <<<

>>> NEW! FAST-ALERTING ACCESS TO NEWLY-PUBLISHED PATENT  
DOCUMENTATION NOW AVAILABLE IN DERWENT WORLD PATENTS INDEX  
FIRST VIEW - FILE WPIFV.  
FOR FURTHER DETAILS: <http://www.thomsonderwent.com/dwpifv> <<<

>>> THE CPI AND EPI MANUAL CODES HAVE BEEN REVISED FROM UPDATE 200501.  
PLEASE CHECK:  
<http://thomsonderwent.com/support/dwpiref/reftools/classification/code-revision/>  
FOR DETAILS. <<<

'BIX BI,ABEX' IS DEFAULT SEARCH FIELD FOR 'WPIX' FILE

=> d all 14 tot

L4 ANSWER 1 OF 1 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN  
AN 2004-143018 [14] WPIX  
DNC C2004-057621  
TI Controlling Pseudocercospora herpotrichoides in crop plants, especially  
wheat or barley, comprises use of hepta-substituted benzophenone  
derivatives.  
DC C03  
IN AMMERMAN, E; COTTER, H V T; GEWEHR, M; MULLER, B; ORTH, A; ROSE, I;  
MUELLER, B; VAN TUYL COTTER, H  
PA (AMME-I) AMMERMAN E; (COTT-I) COTTER H V T; (GEWE-I) GEWEHR M; (MULL-I)  
MULLER B; (ORTH-I) ORTH A; (ROSE-I) ROSE I; (BADI) BASF AG  
CYC 106  
PI WO 2004006675 A1 20040122 (200414)\* GE 17 A01N035-04  
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS  
LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW  
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK  
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH  
PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN  
YU ZA ZM ZW  
US 2004063793 A1 20040401 (200425) A01N035-00 <--  
AU 2003250897 A1 20040202 (200450) A01N035-04  
BR 2003011981 A 20050322 (200522) A01N035-04  
EP 1523238 A1 20050420 (200527) GE A01N035-04  
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV  
MC MK NL PT RO SE SI SK TR  
ADT WO 2004006675 A1 WO 2003-EP7255 20030707; US 2004063793 A1  
Provisional US 2002-394932P 20020711, US 2003-616950  
20030711; AU 2003250897 A1 AU 2003-250897 20030707; BR 2003011981 A  
BR 2003-11981 20030707; EP 1523238 A1 EP 2003-763730 20030707, WO  
2003-EP7255 20030707  
FDT AU 2003250897 A1 Based on WO 2004006675; BR 2003011981 A Based on WO  
2004006675; EP 1523238 A1 Based on WO 2004006675

Search done by Ross Schipe

PRAI US 2002-394932P 20020711; US 2003-616950  
20030711

IC ICM A01N035-00; A01N035-04

AB WO2004006675 A UPAB: 20040226

NOVELTY - The use of 2',6-dimethyl-5-halo-2,4',5',6'-tetramethoxy- or 2-hydroxy-4',5',6'-trimethoxy-benzophenones (I) for controlling Pseudocercospora herpotrichoides in crop plants is new.

DETAILED DESCRIPTION - The use of 2',6-dimethyl-5-halo-2,4',5',6'-tetramethoxy- or 2-hydroxy-4',5',6'-trimethoxy-benzophenones of formula (I) for controlling Pseudocercospora herpotrichoides in crop plants is new.

R = H or 1-4C alkyl; and

Hal = F, Cl or Br.

ACTIVITY - Fungicide.

In tests with wheat seedlings, pre-treatment with 5-bromo-2',6-dimethyl-2,4',5',6'-tetramethoxy-benzophenone (Ia) at a concentration of 63 ppm before contact with Pseudocercospora herpotrichoides spores reduced the degree of infection 40 days later from 100% (in untreated controls) to 0-25%.

MECHANISM OF ACTION - None given in the source material.

USE - Especially for controlling Pseudocercospora herpotrichoides in wheat or barley (claimed).

ADVANTAGE - The known fungicides (I) (described in EP727141-A, EP897141-A and EP967196-A) have been found to show excellent activity against Pseudocercospora herpotrichoides  
Dwg.0/0

FS CPI

FA AB; GI; DCN

MC CPI: C10-E02; C10-F02; C14-A04

=> b home

FILE 'HOME' ENTERED AT 07:22:24 ON 23 AUG 2005

=>



=> b reg

FILE 'REGISTRY' ENTERED AT 08:01:00 ON 23 AUG 2005

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STRUCTURE FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

DICTIONARY FILE UPDATES: 22 AUG 2005 HIGHEST RN 861291-85-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d ide l10 tot

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 220899-03-6 REGISTRY

ED Entered STN: 01 Apr 1999

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Metrafenone

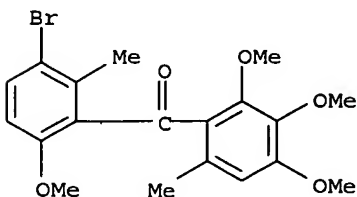
FS 3D CONCORD

MF C19 H21 Br O5

CI COM

SR CA

LC STN Files: CA, CAPLUS, CASREACT, CBNB, TOXCENTER, USPAT2, USPATFULL



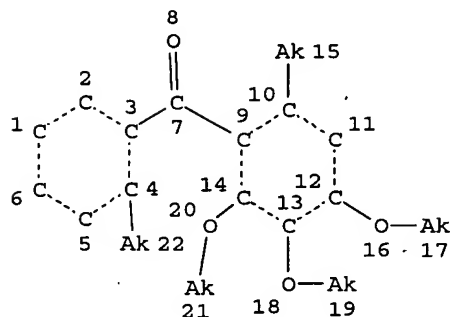
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

21 REFERENCES IN FILE CA (1907 TO DATE)

Search done by Ross Schipe

7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
21 REFERENCES IN FILE CAPLUS (1907 TO DATE)

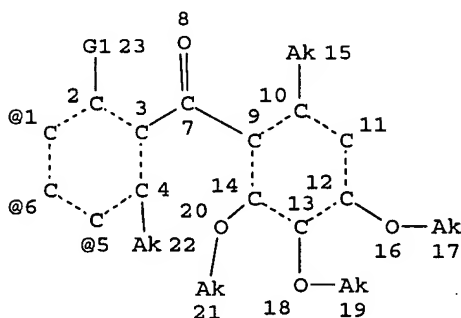
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L11 STR



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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
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NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE  
L13 204 SEA FILE=REGISTRY SSS FUL L11  
L14 STR



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VAR G2=1/5/6  
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DEFAULT ECLEVEL IS LIMITED

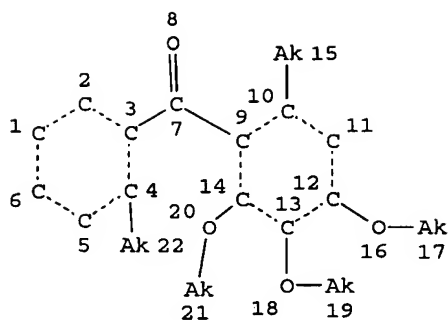
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STEREO ATTRIBUTES: NONE  
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100.0% PROCESSED      204 ITERATIONS  
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128 ANSWERS

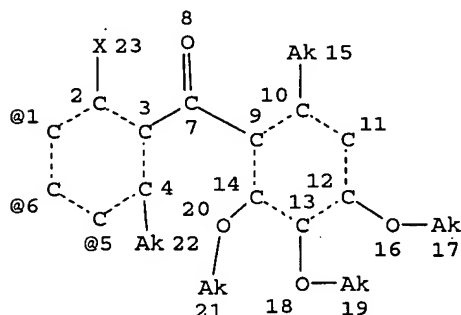
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 DEFAULT ECLEVEL IS LIMITED

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 NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE  
 L13 204 SEA FILE=REGISTRY SSS FUL L11  
 L17 STR



G2—G3  
 24 27

O—Ak  
 @25 26

VAR G2=1/5/6  
 VAR G3=OH/25  
 NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE  
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100.0% PROCESSED 204 ITERATIONS  
 SEARCH TIME: 00.00.01

0 ANSWERS

=> d his full

(FILE 'HOME' ENTERED AT 07:20:00 ON 23 AUG 2005)

FILE 'HCAPLUS' ENTERED AT 07:20:06 ON 23 AUG 2005

L1 1 SEA ABB=ON PLU=ON US2004063793/PN OR (US2003-616950# OR  
 US2002-394932#)/AP,PRN

Search done by Ross Schipe

FILE 'REGISTRY' ENTERED AT 07:21:19 ON 23 AUG 2005

FILE 'HCAPLUS' ENTERED AT 07:21:19 ON 23 AUG 2005

L2 TRA L1 1- RN : 5 TERMS

FILE 'REGISTRY' ENTERED AT 07:21:19 ON 23 AUG 2005

L3 5 SEA ABB=ON PLU=ON L2

FILE 'WPIX' ENTERED AT 07:21:23 ON 23 AUG 2005

L4 1 SEA ABB=ON PLU=ON US2004063793/PN OR (US2003-616950# OR  
US2002-394932#)/AP,PRN

FILE 'REGISTRY' ENTERED AT 07:39:23 ON 23 AUG 2005

L5 138 SEA ABB=ON PLU=ON C19H21BRO5  
L6 123 SEA ABB=ON PLU=ON L5 AND 46.150.18/RID  
L7 QUE ABB=ON PLU=ON (PMS OR MAN OR IDS)/CI OR COMPD OR  
COMPOUND OR UNSPECIFIED OR (D OR T)/ELS  
L8 121 SEA ABB=ON PLU=ON L6 NOT L7  
L9 25 SEA ABB=ON PLU=ON L8 NOT (MXS/CI OR MIXT)  
L10 1 SEA ABB=ON PLU=ON 220899-03-6/BI AND L9  
L11 STR  
L12 11 SEA SSS SAM L11  
L13 204 SEA SSS FUL L11  
SAV TEM L13 QAZI950F0/A  
L14 STR L11  
L15 7 SEA SUB=L13 SSS SAM L14  
L16 128 SEA SUB=L13 SSS FUL L14  
SAV TEM QAZI950S0/A L16  
L17 STR L11  
L18 0 SEA SUB=L13 SSS SAM L17  
L19 0 SEA SUB=L13 SSS FUL L17

FILE 'HCAPLUS' ENTERED AT 08:02:17 ON 23 AUG 2005

L20 21 SEA ABB=ON PLU=ON L10  
L21 11 SEA ABB=ON PLU=ON METRAFENON#  
L22 40 SEA ABB=ON PLU=ON L16  
E FUNGICIDES/CT  
E E3+ALL  
E E6  
E E3+ALL  
L23 QUE ABB=ON PLU=ON BIOCIDES+NT/CT  
E BARLEY/CT  
E E3+ALL  
E E2+ALL  
L24 QUE ABB=ON PLU=ON HORDEUM VULGARE+OLD,NT/CT  
E WHEAT/CT  
E E3  
E E3+ALL  
E E2  
E E3+ALL  
L25 QUE ABB=ON PLU=ON TRITICUM AESTIVUM+OLD,NT/CT  
E OCULIMACULA/CT  
E E3+ALL  
L26 403 SEA ABB=ON PLU=ON OCULIMACULA+NT/CT  
L27 267 SEA ABB=ON PLU=ON (PSEUDOCERCOSPOR? OR P) (1A)HERPOTRICHOID?

FILE 'HCAOLD' ENTERED AT 08:07:46 ON 23 AUG 2005

L28 0 SEA ABB=ON PLU=ON L10  
L29 0 SEA ABB=ON PLU=ON L16

FILE 'HCAPLUS' ENTERED AT 08:07:57 ON 23 AUG 2005

E GEWEHR M/AU  
L30 81 SEA ABB=ON PLU=ON "GEWEHR MARKUS"/AU  
E ROSE I/AU  
L31 39 SEA ABB=ON PLU=ON ("ROSE I"/AU OR "ROSE I A"/AU OR "ROSE I  
C"/AU OR "ROSE I D G"/AU OR "ROSE I S"/AU OR "ROSE I W"/AU)

E ROSE INGO/AU  
 L32 43 SEA ABB=ON PLU=ON ("ROSE INGO"/AU OR "ROSE INGO C"/AU)  
 E MULLER B/AU  
 L33 320 SEA ABB=ON PLU=ON ("MULLER B"/AU OR "MULLER B A"/AU OR  
 "MULLER B D"/AU OR "MULLER B G"/AU OR "MULLER B H"/AU OR  
 "MULLER B K M"/AU OR "MULLER B L"/AU OR "MULLER B P"/AU OR  
 "MULLER B R"/AU OR "MULLER B U"/AU OR "MULLER B V"/AU OR  
 "MULLER B W"/AU)  
 E MULLER BERND/AU  
 L34 201 SEA ABB=ON PLU=ON ("MULLER BERND"/AU OR "MULLER BERND HENRIK  
 DR DIPL PH"/AU OR "MULLER BERND R"/AU OR "MULLER BERND W"/AU  
 OR "MULLER BERND WILLI WERNER"/AU OR "MULLER BERNDT"/AU OR  
 "MULLER BERNDT M"/AU)  
 E MUELLER BERND/AU  
 L35 760 SEA ABB=ON PLU=ON ("MUELLER BERND"/AU OR "MUELLER BERND  
 CHRISTIAN"/AU OR "MUELLER BERND F"/AU OR "MUELLER BERND G"/AU  
 OR "MUELLER BERND HENRIK"/AU OR "MUELLER BERND M"/AU OR  
 "MUELLER BERND R"/AU OR "MUELLER BERND UDO"/AU OR "MUELLER  
 BERND VOLKER"/AU OR "MUELLER BERND W"/AU OR "MUELLER BERND W  
 M"/AU OR "MUELLER BERND WILLI WERNER"/AU OR "MUELLER BERNDT"/AU  
 )  
 E MUELLER B/AU  
 L36 897 SEA ABB=ON PLU=ON ("MUELLER B"/AU OR "MUELLER B A"/AU OR  
 "MUELLER B E"/AU OR "MUELLER B E A"/AU OR "MUELLER B F"/AU OR  
 "MUELLER B G"/AU OR "MUELLER B H"/AU OR "MUELLER B J"/AU OR  
 "MUELLER B K"/AU OR "MUELLER B L"/AU OR "MUELLER B M"/AU OR  
 "MUELLER B R"/AU OR "MUELLER B U"/AU OR "MUELLER B W"/AU)  
 E ORTH A/AU  
 L37 0 SEA ABB=ON PLU=ON E3-6,10-13  
 E VAN TUYL COTTER/AU  
 L38 15 SEA ABB=ON PLU=ON "VAN TUYL COTTER HENRY"/AU  
 E VAN TUYL/AU  
 L39 28102 SEA ABB=ON PLU=ON BASF/CS,PA  
 L40 QUE ABB=ON PLU=ON PY<=2002 OR AY<=2002 OR PRY<=2002 OR  
 PD<20020711 OR AD<20020711 OR PRD<20020711  
 L41 27 SEA ABB=ON PLU=ON (L20 OR L21 OR L22) AND (L30 OR L31 OR L32  
 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39)  
 L42 24 SEA ABB=ON PLU=ON L41 AND L23  
 L43 1 SEA ABB=ON PLU=ON L42 AND (L26 OR L27)  
 L44 1 SEA ABB=ON PLU=ON L42 AND (L24 OR L25)  
 L45 1 SEA ABB=ON PLU=ON (L43 OR L44)  
 L46 13 SEA ABB=ON PLU=ON (L20 OR L21 OR L22) NOT L41  
 L47 1 SEA ABB=ON PLU=ON L46 AND (L24 OR L25 OR L26 OR L27)  
 L48 12 SEA ABB=ON PLU=ON L23 AND L46  
 D SCA L47  
 L49 1 SEA ABB=ON PLU=ON L47 AND L48  
 D KWIC  
 L50 12 SEA ABB=ON PLU=ON (L48 OR L49)  
  
 FILE 'AGRICOLA' ENTERED AT 08:16:03 ON 23 AUG 2005  
 L51 0 SEA ABB=ON PLU=ON (L20 OR L21 OR L22)  
  
 FILE 'CABA' ENTERED AT 08:16:17 ON 23 AUG 2005  
 L52 2 SEA ABB=ON PLU=ON (L20 OR L21 OR L22)  
  
 FILE 'USPATFULL, USPAT2' ENTERED AT 08:17:50 ON 23 AUG 2005  
 L53 35 SEA ABB=ON PLU=ON (L20 OR L22)  
 L54 3 SEA ABB=ON PLU=ON METRAFENON#/TI,IT,AB,CLM  
 D SCA  
 D BIB TOT  
 L55 35 SEA ABB=ON PLU=ON (L53 OR L54)  
 E GEWEHR M/AU  
 L56 39 SEA ABB=ON PLU=ON "GEWEHR MARKUS"/AU  
 E ROSE I/AU  
 L57 36 SEA ABB=ON PLU=ON "ROSE INGO"/AU  
 E MULLER B/AU

L58 194 SEA ABB=ON PLU=ON ("MULLER BERND"/AU OR "MULLER BERND  
HENRIK"/AU OR "MULLER BERND W"/AU OR "MULLER BERND W W"/AU)  
E MUELLER B/AU

L59 56 SEA ABB=ON PLU=ON ("MUELLER BERND"/AU OR "MUELLER BERND  
MICHAEL"/AU)  
E AMMERMAN E/AU  
E AMMERMAN E/AU

L60 474 SEA ABB=ON PLU=ON "AMMERMAN EBERHARD"/AU  
E ORTH A/AU

L61 5 SEA ABB=ON PLU=ON ("ORTH ANN"/AU OR "ORTH ANN B"/AU)  
E COTTER H/AU

L62 23 SEA ABB=ON PLU=ON "COTTER HENRY VAN TUYL"/AU  
E VAN TUYL/AU

L63 6 SEA ABB=ON PLU=ON "VAN TUYL COTTER HENRY"/AU

L64 12365 SEA ABB=ON PLU=ON BASF/CS, PA

L65 28 SEA ABB=ON PLU=ON L55 AND (L56 OR L57 OR L58 OR L59 OR L60  
OR L61 OR L62 OR L63 OR L64)

L66 1 SEA ABB=ON PLU=ON ((PSEUDOCERCOSPOR? OR P) (1A) HERPOTRICHOID?  
) /TI, IT, AB, CLM AND L65

L67 7 SEA ABB=ON PLU=ON L55 NOT L65

L68 0 SEA ABB=ON PLU=ON L67 AND ((PSEUDOCERCOSPOR? OR P) (1A)  
HERPOTRICHOID?) /TI, IT, AB, CLM

FILE 'HCAPLUS' ENTERED AT 08:25:49 ON 23 AUG 2005

E COTTER H/AU

L69 16 SEA ABB=ON PLU=ON "COTTER HENRY VAN TUYL"/AU  
E AMMERMAN E/AU

L70 581 SEA ABB=ON PLU=ON ("AMMERMAN E"/AU OR "AMMERMAN EBERHARD"/A  
U OR "AMMERMAN EBERHARD DR"/AU)

L71 14 SEA ABB=ON PLU=ON (L69 OR L70) AND (L20 OR L21 OR L22)

L72 1 SEA ABB=ON PLU=ON L71 AND (L26 OR L27)

L73 1 SEA ABB=ON PLU=ON (L45 OR L72)

=> b hcap

FILE 'HCAPLUS' ENTERED AT 08:27:24 ON 23 AUG 2005

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FILE COVERS 1907 - 23 Aug 2005 VOL 143 ISS 9

FILE LAST UPDATED: 22 Aug 2005 (20050822/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all fhitr 173

L73 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:60223 HCAPLUS

DN 140:106945

ED Entered STN: 26 Jan 2004

TI Use of benzophenones as fungicides for controlling

Search done by Ross Schipe

IN *Pseudocercospora herpotrichoides*  
 IN *Gewehr, Markus; Rose, Ingo; Mueller, Bernd;*  
 PA *Ammermann, Eberhard; Orth, Ann; Van Tuyl Cotter, Henry*  
 PA *BASF Aktiengesellschaft, Germany*  
 SO *PCT Int. Appl., 17 pp.*  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 IC ICM A01N035-04  
 CC 5-2 (Agrochemical Bioregulators)  
 FAN.CNT 1

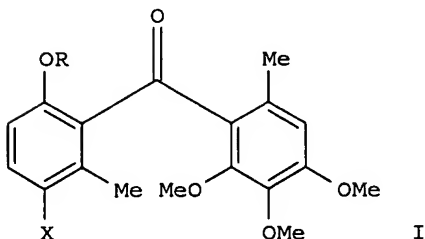
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2004006675	A1	20040122	WO 2003-EP7255	20030707	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	CA 2491408	AA	20040122	CA 2003-2491408	20030707	
	BR 2003011981	A	20050322	BR 2003-11981	20030707	
	EP 1523238	A1	20050420	EP 2003-763730	20030707	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK		
	US 2004063793	A1	20040401	US 2003-616950	20030711	
PRAI	US 2002-394932P	P	20020711			
	WO 2003-EP7255	W	20030707			

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004006675	ICM	A01N035-04
WO 2004006675	ECLA	A01N035/04
US 2004063793	NCL	514/689.000
	ECLA	A01N035/04

OS MARPAT 140:106945

GI



AB Benzophenones (I, R = H or C1-C4 alkyl; X = F, Cl, Br) are useful as fungicides for controlling *Pseudocercospora herpotrichoides* in cultivated plants. Thus, the incidence of eyespot disease in wheat inoculated with *P. herpotrichoides* was 0-25% when plants had been treated with 63 ppm I (R = Me or H; X = Br or Cl), whereas 100% of untreated plants were infected.

ST benzophenone fungicide *Pseudocercospora* control

IT Fungicides

Hordeum vulgare

Oculimacula yallundae

(benzophenones as fungicides for controlling  
*Pseudocercospora herpotrichoides* in crops)

IT *Triticum aestivum*  
 (disease, eyespot; benzophenones as fungicides for controlling  
*Pseudocercospora herpotrichoides* in crops)

IT 220899-03-6 220900-12-9 252955-10-5  
 252955-12-7  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as fungicide for controlling *Pseudocercospora*  
*herpotrichoides* in crops)

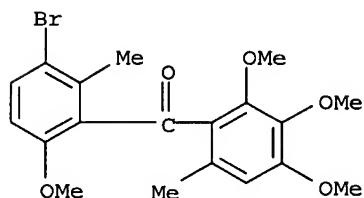
IT 252955-11-6D, derivs.  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as fungicides for controlling *Pseudocercospora*  
*herpotrichoides* in crops)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 RE  
 (1) American Cyanamid Co; EP 0897904 A 1999 HCAPLUS  
 (2) American Cyanamid Co; EP 1023835 A 2000 HCAPLUS  
 (3) Leadbitter, N; WO 0180643 A 2001 HCAPLUS  
 (4) Novartis Erfind Verwalt Gmbh; WO 0072677 A 2000 HCAPLUS

IT 220899-03-6  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as fungicide for controlling *Pseudocercospora*  
*herpotrichoides* in crops)

RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-  
 methylphenyl)- (9CI) (CA INDEX NAME)



=> d all hitstr 150 tot

L50 ANSWER 1 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2005:471844 HCAPLUS  
 DN 143:28318  
 ED Entered STN: 03 Jun 2005  
 TI Micronized wood preservative formulations  
 IN Leach, Robert M.; Zhang, Jun  
 PA USA  
 SO U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S. Ser. No. 821,326.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 IC ICM B32B021-02  
 ICS B32B021-10; A61K033-24; A61K033-34  
 INCL 424617000; 428292400; 424638000  
 CC 43-2 (Cellulose, Lignin, Paper, and Other Wood Products)  
 Section cross-reference(s): 5  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2005118280	A1	20050602	US 2004-970446	20041021

Search done by Ross Schipe



	US 2004258767	A1	20041223	US 2004-821326	20040409
PRAI	US 2003-461547P	P	20030409		
	US 2003-518994P	P	20031111		
	US 2004-821326	A2	20040409		
	US 2004-568485P	P	20040506		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005118280	ICM	B32B021-02
	ICS	B32B021-10; A61K033-24; A61K033-34
	INCL	424617000; 428292400; 424638000
US 2005118280	NCL	424/617.000
US 2004258767	NCL	424/630.000
AB	The wood preservative compns. comprising micronized particles. The composition comprises dispersions of micronized metal or metal compds. The wood preservative composition comprises an inorg. component comprising a metal or metal compound and organic biocide. When the composition comprises an inorg. component and an organic biocide, the inorg. component or the organic biocide or both are present as micronized particles. When used for preservation of wood, the micronized particles can be observed as uniformly distributed within the wood and there is minimal leaching of the metal and biocide from the wood.	
ST	metal compd org biocide micronized wood preservative formulation	
IT	Quaternary ammonium compounds, uses RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (alkylbenzylidimethyl, chlorides; micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	Polyoxyalkylenes, uses RL: MOA (Modifier or additive use); USES (Uses) (amino-containing; micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	Wood (lumber; micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	Biocides Fungicides Insecticides Microparticles Quassia Wood preservatives (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	Cinerins Metals, uses Phosphines Pyrethrins Quaternary ammonium compounds, uses RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	Wood (pine; micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	Amine oxides RL: MOA (Modifier or additive use); USES (Uses) (tertiary; micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)	
IT	50-00-0, Formaldehyde, uses 50-29-3, DDT, uses 50-29-3D, bromo derivs. 52-51-7, Bronopol 52-68-6, Trichlorfon 52-85-7, Famphur 54-11-5, Nicotine 54-64-8, Thiomersal 55-38-9, Fenthion 56-23-5, Carbon tetrachloride, uses 56-38-2, Parathion 56-72-4, Coumaphos 57-53-4, Mepronil 57-92-1, Streptomycin, uses 58-89-9, HCH 60-51-5, Dimethoate 60-57-1, Dieldrin 62-73-7, Dichlorvos 63-25-2, Carbaryl 66-81-9, Cycloheximide 67-66-3, Chloroform, uses 70-38-2, Dimethrin	

70-43-9, Barthrin 71-55-6, Methylchloroform 72-20-8, Endrin 72-43-5, Methoxychlor 72-54-8, TDE 74-83-9, Methyl bromide, uses 74-88-4, Iodomethane, uses 74-90-8, Hydrogen cyanide, uses 75-09-2, Methylene chloride, uses 75-15-0, Carbon disulfide, uses 75-21-8, Ethylene oxide, uses 76-06-2, Chloropicrin 76-44-8, Heptachlor 78-34-2, Dioxathion 78-53-5, Amiton 78-57-9, Menazon 78-87-5, 1,2-Dichloropropane 79-34-5, Tetrachloroethane 79-57-2, Oxytetracycline 82-68-8, Quintozene 83-79-4, Rotenone 86-50-0, Azinphos-methyl 87-17-2, Salicylanilide 87-68-3, Hexachlorobutadiene 87-86-5, Pentachlorophenol 91-20-3, Naphthalene, uses 91-53-2, Ethoxyquin 92-52-4, Biphenyl, uses 93-75-4, Thioquinox 96-12-8, DBCP 97-11-0, Cyclethrin 97-17-6, Dichlofenthion 97-18-7, Bithionol 97-23-4, Dichlorophen 97-77-8, Disulfiram 98-01-1, Furfural, uses 99-30-9, Dicloran 99-49-0, Carvone 101-05-3, Anilazine 106-46-7, Para-dichlorobenzene 106-93-4, Ethylene dibromide 107-06-2, Ethylene dichloride, uses 107-13-1, Acrylonitrile, uses 107-18-6, Allyl alcohol, uses 107-49-3, TEPP 109-73-9, Butylamine, uses 109-94-4, Ethyl formate 114-26-1, Propoxur 115-26-4, Dimefox 115-29-7, Endosulfan 115-90-2, Fensulfothion 115-93-5, Cythioate 116-01-8, Ethoate-methyl 116-06-3, Aldicarb 117-18-0, Tecnazene 117-80-6, Dichlone 118-74-1, Hexachlorobenzene 118-75-2, Chloranil, uses 119-12-0, Pyridaphenthion 121-20-0, Cinerin II 121-21-1, Pyrethrin I 121-29-9, Pyrethrin II 121-75-5, Malathion 122-14-5, Fenitrothion 122-15-6, Dimetan 122-39-4, Diphenylamine, uses 126-07-8, Griseofulvin 126-22-7, Butonate 126-75-0, Demeton-S 131-52-2, Sodium pentachlorophenoxide 131-89-5, Dinex 132-27-4 133-06-2, Captan 133-07-3, Folpet 134-31-6, 8-Hydroxyquinoline sulfate 137-26-8, Thiram 137-29-1, Copper dimethyl dithiocarbamate 137-30-4, Ziram 140-56-7, Fenaminosulf 141-66-2, Dicrotophos 142-59-6, Nabam 142-71-2, Copper acetate 143-50-0 144-41-2, Morphothion 144-54-7, Metam 148-79-8, Thiabendazole 152-16-9, Schradan 297-78-9, Isobenzan 298-00-0, Parathion-methyl 298-02-2, Phorate 298-03-3, Demeton-O 298-04-4, Disulfoton 299-84-3, Fenchlorphos 299-86-5, Crufomate 300-76-5, Naled 309-00-2, Aldrin 315-18-4, Mexacarbate 327-98-0, Trichloronat 333-41-5, Diazinon 370-14-9, Isodrin 370-50-3, Flucufuron 371-86-8, Mipafox 470-90-6, Chlorfenvinphos 479-18-5, Dilor 483-63-6, Crotamiton 485-31-4, Binapacryl 494-52-0, Anabasine 495-18-1, Benzohydroxamic acid 495-73-8, Benquinox 502-55-6, EXD 520-45-6, Dehydroacetic acid 533-74-4, Dazomet 534-52-1, DNOC 556-22-9, Glyodin 556-61-6, Methyl isothiocyanate 563-12-2, Ethion 572-48-5, Coumthioate 584-79-2, Allethrin 599-64-4 640-15-3, Thiometon 644-06-4, Precocene II 644-64-4, Dimetilan 671-04-5, Carbanolate 682-80-4, Demephion-O 731-27-1, Tolyfluanid 732-11-6, Phosmet 786-19-6, Carbophenothion 867-27-6, Demeton-O-methyl 919-54-0, Acethion 919-76-6, Amidithion 919-86-8, Demeton-S-methyl 944-22-9, Fonofos 947-02-4, Phosfolan 950-10-7, Mephosfolan 950-37-8, Methidathion 963-22-4 973-21-7, Dinobuton 1031-47-6, Triamiphos 1085-98-9 1086-02-8, Pyridinitril 1113-02-6, Omethoate 1129-41-5, Metolcarb 1172-63-0, Jasmolin II 1317-38-0, Cupric oxide, uses 1332-40-7, Copper oxychloride 1344-69-0, Copper hydroxide 1344-70-3, Copper oxide 1398-61-4, Chitin 1491-41-4, Naftalofos 1563-66-2, Carbofuran 1563-67-3, Decarbofuran 1593-77-7, Dodemorph 1609-47-8, Diethyl pyrocarbonate 1646-88-4, Aldoxycarb 1715-40-8, Bromocyclen 1716-09-2, Fenthion-ethyl 1875-92-9D, Dimethylbenzylammonium chloride, alkyl derivs. 1897-45-6 1929-82-4, Nitrapyrin 2032-65-7, Methiocarb 2079-00-7, Blasticidin-S 2104-64-5, EPN 2104-96-3, Bromophos 2274-67-1, Dimethylvinphos 2275-14-1, Phenkapton 2275-18-5, Prothoate 2275-23-2, XMC 2310-17-0, Phosalone 2385-85-5, Mirex 2425-06-1, Captafol 2425-10-7, Xyllylcarb 2439-01-2, Chinomethionat 2439-10-3, Dodine 2463-84-5, Dicapthon 2497-07-6, Oxydisulfoton 2540-82-1, Formothion 2550-75-6, Chlorbicyclen 2587-90-8, Demephion-S 2593-15-9, Etridiazole 2595-54-2, Mecarbam 2597-03-7, Phenthoate 2598-31-4, Quinacetol 2631-37-0, Promecarb 2631-40-5, Isoprocarb 2633-54-7, Trichlormetaphos-3 2634-33-5, 1,2-Benzisothiazol-3(2H)-one 2636-26-2, Cyanophos 2642-71-9, Azinphos-ethyl 2655-19-8, Butacarb 2669-32-1, Lythidathion

2675-77-6, Chloroneb 2682-20-4 2699-79-8, Sulfuryl fluoride  
 2778-04-3, Endothion 2921-88-2 3251-23-8 3347-22-6, Dithianon  
 3383-96-8, Temephos 3478-94-2, Piperalin 3495-42-9, Chlorquinox  
 3604-87-3,  $\alpha$ -Ecdysone 3689-24-5, Sulfotep 3696-28-4,  
 Dipyrithione 3734-95-0, Cyanthoate 3761-41-9, Mesulfenfos 3766-81-2,  
 Fenobucarb 3773-49-7, Milneb 3811-49-2, Dioxabenzofos 3878-19-1,  
 Fuberidazole 4097-36-3, Dinosam 4151-50-2, Sulfluramid 4234-79-1,  
 Kelevan 4466-14-2, Jasmolin I 4824-78-6, Bromophos-ethyl  
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered  
 material use); BIOL (Biological study); USES (Uses)

(micronized wood preservative formulations comprising inorg. metal  
 compds. and organic biocides)

IT 5131-24-8, Ditalimfos 5221-49-8, Pyrimitate 5221-53-4, Dimethirimol  
 5234-68-4, Carboxin 5259-88-1, Oxycarboxin 5289-74-7, Ecdysterone  
 5386-57-2, Dinopenton 5386-77-6, Dinosulfon 5598-13-0,  
 Chlorpyrifos-methyl 5598-52-7, Fospirate 5707-69-7, Drazoxolon  
 5707-73-3, Metazoxolone 5826-76-6, Phosnichlor 5827-05-4, IPSP  
 5834-94-6, Azithiram 5834-96-8, Azothoate 5836-23-7, Tecoram  
 5989-27-5 6073-72-9, Dinoterbon 6164-98-3, Chlordimeform 6843-97-6,  
 Dodicin 6923-22-4, Monocrotophos 6980-18-3, Kasugamycin 6988-21-2,  
 Dioxacarb 7055-03-0, Mebenil 7076-63-3, Cuprobam 7159-34-4,  
 Pyroxychlor 7173-51-5, Dimethyldidecylammonium chloride 7219-78-5,  
 Mazidox 7257-41-2, Dinoprop 7292-16-2, Propaphos 7439-92-1, Lead,  
 uses 7440-02-0, Nickel, uses 7440-22-4, Silver, uses 7440-31-5, Tin,  
 uses 7440-38-2, Arsenic, uses 7440-43-9, Cadmium, uses 7440-47-3,  
 Chromium, uses 7440-48-4, Cobalt, uses 7440-50-8, Copper, uses  
 7440-66-6, Zinc, uses 7440-69-9, Bismuth, uses 7492-68-4, Copper  
 carbonate 7681-93-8, Natamycin 7696-12-0, Tetramethrin  
 7700-17-6, Crotoxyphos 7758-98-7, Copper sulfate, uses 7786-34-7,  
 Mevinphos 8001-35-2, Camphechlor 8018-01-7, Mancozeb 8022-00-2,  
 Demeton-methyl 8065-36-9, Bufencarb 8065-41-6, Aureofungin  
 8065-48-3, Demeton 8065-62-1, Demephion 9006-42-2, Metiram  
 9012-76-4, Chitosan 10004-44-1, Hymexazol 10265-92-6, Methamidophos  
 10311-84-9, Dialifos 10380-28-6, Copper 8-hydroxyquinolate 10405-27-3,  
 Fluorimide 10453-86-8, Resmethrin 10537-47-0, Malonoben  
 10605-21-7 11096-18-7, Cufraneb 11113-80-7, Polyoxin  
 11141-17-6, Azadirachtin 12069-69-1, Basic copper carbonate  
 12071-83-9, Propineb 12122-67-7, Zineb 12407-86-2, Trimethacarb  
 12427-38-2, Maneb 12789-03-6, Chlordane 13067-93-1, Cyanofenphos  
 13071-79-9, Terbufos 13171-21-6, Phosphamidon 13194-48-4, Ethoprophos  
 13457-18-6, Pyrazophos 13516-27-3, Iminoctadine 13593-03-8, Quinalphos  
 13593-08-3, Quinalphos-methyl 13804-51-8, Juvenile hormone I  
 14047-23-5, Ampropylfos 14235-86-0, Hydrargaphen 14255-88-0,  
 Fenazaflor 14484-64-1, Ferbam 14534-29-3, Copper borate 14698-29-4,  
 Oxolinic acid 14816-16-1, Phoxim-methyl 14816-18-3, Phoxim  
 14816-20-7, Chlorphoxim 14915-37-8, Copper omadine 15096-52-3,  
 Cryolite 15263-53-3, Cartap 15310-01-7, Benodanil 15589-31-8,  
 Terallethrin 15845-66-6, Fosetyl 16227-10-4, Triazbutil 16752-77-5,  
 Methomyl 16893-85-9, Sodium hexafluorosilicate 17040-19-6  
 17080-02-3, Furethrin 17109-49-8, Edifenphos 17598-02-6, Precocene I  
 17606-31-4, Bensultap 17702-57-7, Formparanate 17804-35-2, Benomyl  
 18181-70-9, Jodfenphos 18809-57-9, EMPC 18854-01-8, Isoxathion  
 19378-58-6, Thiochlorfenphim 19622-19-6, Prothiocarb 19691-80-6,  
 Athidathion 20276-83-9, Prothidathion 20425-39-2, Pyresmethrin  
 20856-57-9, Chloraniformethan 21452-18-6, Metsulfovax 21548-32-3,  
 Fosthietan 21564-17-0 21609-90-5, Leptophos 22224-92-6, Fenamiphos  
 22248-79-9, Tetrachlorvinphos 22259-30-9, Formetanate 22431-62-5,  
 Bioethanomethrin 22439-40-3, Quinothion 22662-39-1, Rafoxanide  
 22781-23-3, Bendiocarb 22963-93-5, Juvenile hormone III 22976-86-9,  
 Polyoxorim 23031-36-9, Prallethrin 23103-98-2, Pirimicarb  
 23135-22-0, Oxamyl 23505-41-1, Pirimiphos-ethyl 23526-02-5,  
 Thuringiensin 23560-59-0, Heptenophos 23564-05-8, Thiophanate-methyl  
 23564-06-9, Thiophanate 23593-75-1, Clotrimazole 23947-60-6, Ethirimol  
 24017-47-8, Triazophos 24019-05-4, Sulcofuron 24201-58-9, Dichlozoline  
 24353-61-5, Isocarbophos 24579-73-5, Propamocarb 24691-76-7,  
 Pyracarbolid 24934-91-6, Chlormephos 25171-63-5, Thiocarboxime

25311-71-1, Isufenphos 25402-06-6, Cinerin I 25601-84-7,  
 Methocrotophos 26002-80-2, Phenothrin 26087-47-8, Iprobenfos  
 26172-55-4 26530-20-1 26644-46-2, Triforine 26766-27-8, Triarimol  
 27386-64-7, Mecarbinzid 27605-76-1, Probenazole 27811-89-8  
 28434-01-7, Bioresmethrin 28559-00-4, Cypendazole 28562-70-1,  
 Furcarbanil 28730-17-8, Methfuroxam 29173-31-7, Mecarphon  
 29232-93-7, Pirimiphos-methyl 29672-19-3, Nitrilacarb 29973-13-5,  
 Ethiofencarb 30087-47-9, Fenethacarb 30560-19-1, Acephate  
 30864-28-9, Methacrifos 31218-83-4, Propetamphos 31251-03-3,  
 Fluotrimazole 31377-69-2, Pirimetaphos 31895-21-3, Thiocyclam  
 32809-16-8, Procymidone 33089-61-1, Amitraz 33399-00-7, Bromfeninfos  
 33813-20-6, Etem 34218-61-6, Juvenile hormone II 34264-24-9, Promacyl  
 34462-96-9, Halacrinat 34643-46-4, Prothiofos 34681-10-2,  
 Butocarboxim 34681-23-7, Butoxycarboxim 34849-42-8, Cyclofuramide  
 35367-31-8, Penfluron 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos  
 35554-44-0, Imazalil 35575-96-3, Azamethiphos 35764-59-1, Cismethrin  
 36145-08-1, Chlorprazophos 36519-00-3, Phosdiphen 36614-38-7,  
 Isothioate 36734-19-7, Iprodione 37032-15-8, Sophamide 38083-17-9,  
 Climbazole 38260-54-7, Etrimfos 38260-63-8, Lirimfos 38524-82-2,  
 Trifenofos 38527-91-2, Etaphos 39196-18-4, Thiofanox 39247-96-6,  
 Primidophos 39300-45-3, Dinocap 39515-40-7, Cyphenothrin  
 39515-41-8, Fenpropathrin 40085-57-2, Tazimcarb 40341-04-6,  
 Rabenzazole 40596-69-8, Methoprene 40596-80-3, Triprene 40626-35-5,  
 Heterophos 41096-46-2, Hydroprene 41198-08-7, Profenofos 41219-31-2,  
 Dithicrofos 41219-32-3, Thicrofos 41483-43-6, Bupirimate 41495-67-4,  
 Hexylthiofos 41814-78-2, Tricyclazole 42509-80-8, Isazofos  
 42588-37-4, Kinoprene 43121-43-3, Triadimefon 50471-44-8, Vinclozolin  
 50512-35-1, Isoprothiolane 50642-14-3, Validamycin 51308-54-4,  
 Buthiobate 51487-69-5, Cloethocarb 51596-10-2, Milbemectin  
 51630-58-1, Fenvalerate 51877-74-8, Biopermethrin  
 52315-07-8 52645-53-1 52918-63-5, Deltamethrin  
 53112-28-0, Pyrimethanil 53878-17-4, Furophanate 53988-93-5, Mancopper  
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered  
 material use); BIOL (Biological study); USES (Uses)  
 (micronized wood preservative formulations comprising inorg. metal  
 compds. and organic biocides)

IT 54406-48-3, Empenthrin 54864-61-8, Myclozolin 55179-31-2, Bitertanol  
 55219-65-3, Triadimenol 55285-14-8, Carbosulfan 55406-53-6  
 55965-84-9, Kathon WT 56716-21-3, Hyquincarb 57018-04-9,  
 Tolclofos-methyl 57342-02-6, Epofenonane 57369-32-1, Pyroquilon  
 57646-30-7, Furalaxyl 57808-65-8, Closantel 57837-19-1, Metalaxyl  
 57966-95-7, Cymoxanil 58481-70-2, Dicresyl 58810-48-3, Ofurace  
 59669-26-0, Thiodicarb 60168-88-9, Fenarimol 60207-31-0, Azaconazole  
 60207-90-1 60207-93-4, Etaconazole 60238-56-4, Chlorthiophos  
 60568-05-0, Furmecycloz 60589-06-2, Metoxadiazole 61019-78-1,  
 Fenapanil 61444-62-0, Nifluridide 61566-21-0, Quinazamid 61949-77-7  
 62732-91-6, Debacarb 62865-36-5, Diclomezine 63284-71-9, Nuarimol  
 63755-05-5, Chlobenthiazole 63771-69-7, Zolaprofos 63837-33-2,  
 Diofenolan 63935-38-6, Cycloprothrin 64359-81-5 64440-88-6,  
 Polycarbamate 64628-44-0, Triflumuron 65383-73-5, Precocene III  
 65400-98-8, Fenoxacrim 65571-68-8, Chlorfenazole 65691-00-1,  
 Triarathene 65907-30-4, Furathiocarb 66063-05-6, Pencycuron  
 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66246-88-6,  
 Penconazole 66332-96-5, Flutolanil 66841-25-6, Tralomethrin  
 66952-49-6, Methasulfocarb 67306-00-7, Fenpropidin 67375-30-8,  
 Alpha-cypermethrin 67485-29-4, Hydramethylnon 67564-91-4,  
 Fenpropimorph 67747-09-5, Prochloraz 68085-85-8, Cyhalothrin  
 68359-37-5 68523-18-2, Fenpirithrin 68694-11-1, Triflumizole  
 69327-76-0, Buprofezin 69409-94-5, Fluvalinate 70017-93-5,  
 Isovaledione 70124-77-5, Flucythrinate 70166-48-2, Pyroxyfur  
 70193-21-4, Trichlamide 70288-86-7, Ivermectin 70630-17-0, Metalaxyl-M  
 70751-94-9, Tioxymid 71422-67-8, Chlorfluazuron 71626-11-4, Benalaxyl  
 71697-59-1, Theta-cypermethrin 71751-41-2, Abamectin 72459-58-6,  
 Triazoxide 72490-01-8, Fenoxycarb 72963-72-5, Imiprothrin  
 74738-17-3, Fenpiclonil 75736-33-3, Diclobutrazol 75867-00-4,  
 Fenfluthrin 76280-91-6, Tecloftalam 76674-21-0, Flutriafol

76703-62-3, Gamma-cyhalothrin 77732-09-3, Oxadixyl 79538-32-2, Tefluthrin 79622-59-6, Fluazinam 79983-71-4, Hexaconazole 80060-09-9, Diafenthiuron 80844-07-1, Etofenprox 81412-43-3, Tridemorph 82560-54-1, Benfuracarb 82657-04-3 83121-18-0, Teflubenzuron 83130-01-2, Alanycarb 83657-17-4, Uniconazole-P 83657-18-5, Diniconazole-M 83657-22-1, Uniconazole 83657-24-3, Diniconazole 83733-82-8, Fosmethilan 84332-86-5, Chlozolate 84527-51-5, Zarilamide 85509-19-9, Flusilazole 86479-06-3, Hexaflumuron 86598-92-7, Imibenconazole 87130-20-9, Diethofencarb 88283-41-4, Pyrifenoxy 88671-89-0, Myclobutanil 89269-64-7, Ferimzone 89784-60-1, Pyraclofos 90338-20-8, Butathiofos 91315-15-0, Aldimorph 91465-08-6 94361-06-5 95465-99-9, Cadusafos 95737-68-1, Pyriproxyfen 96182-53-5, Tebupirimfos 96489-71-3, Pyridaben 98243-83-5, Benalaxyl-M 98968-92-4 101007-06-1, Acrinathrin 101463-69-8, Flufenoxuron 101903-30-4, Pefurazoate 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 103782-08-7, Allosamidin 103970-75-8, Quinconazole 104030-54-8, Carpropamid 104078-12-8, Dinocron 105024-66-6, Silafluofen 105779-78-0, Pyrimidifen 106917-52-6, Flusulfamide 107534-96-3 107713-58-6, Flufenprox 108173-90-6, Guazatine 110235-47-7, Mepanipyrim 110488-70-5, Dimethomorph 111872-58-3, Halfenprox 111988-49-9, Thiacloprid 112143-82-5, Triazamate 112226-61-6, Halofenozide 112281-77-3, Tetraconazole 112410-23-8, Tebufenozide 112636-83-6, Dicyclanil 112839-33-5, Furconazole 113036-88-7, Flucyclohexuron 113507-06-5, Moxidectin 114369-43-6, Fenbuconazole 115852-48-7, Fenoxanil 116170-30-0, Thicyofen 116255-48-2, Bromuconazole 116714-46-6, Novaluron 117428-22-5, Picoxystrobin 117704-25-3, Doramectin 118134-30-8, Spiroxamine 118712-89-3, Transfluthrin 119168-77-3, Tebufenpyrad 119446-68-3, Difenconazole 119544-94-4, Protrifenbute 120068-37-3 120116-88-3, Cyazofamid 121451-02-3, Noviflumuron 121552-61-2, Cyprodinil 122453-73-0, Chlorfenapyr 123572-88-3, Furametpyr 124495-18-7, Quinoxifen 125116-23-6, Metconazole 125225-28-7, Ipconazole 126448-41-7, Acibenzolar 126833-17-8, Fenhexamid 129496-10-2 129558-76-5, Tolfenpyrad 130000-40-7, Thifluzamide 130339-07-0, Diflumentorim 131341-86-1, Fludioxonil 131807-57-3, Famoxadone 131860-33-8, Azoxystrobin 131983-72-7, Triticonazole 133408-50-1, Metominostrobin 133855-98-8, Epoxiconazole 134074-64-9, Oxpiconazole 135410-20-7, Acetamiprid 136426-54-5, Fluquinconazole 138261-41-3 139920-32-4, Diclocymet 140923-17-7, Iprovalicarb 141517-21-7, Trifloxystrobin 143390-89-0, Kresoxim-methyl 143807-66-3, Chromafenozide 145767-97-1, Vaniliprole 148788-55-0, Didecyldimethylammonium carbonate 149508-90-7, Simeconazole 149961-52-4, Dimoxystrobin 150824-47-8, Nitenpyram 153719-23-4, Thiamethoxam 154025-04-4, Flumetover 156052-68-5, Zoxamide 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 161326-34-7, Fenamidone 162650-77-3, Ethaboxam 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufenimer 173584-44-6, Indoxacarb 175013-18-0, Pyraclostrobin 175217-20-6, Silthiofam 178928-70-6, Prothioconazole 179101-81-6, Pyridalyl 180409-60-3, Cyflufenamid 181587-01-9, Ethiprole 188425-85-6, Boscalid 189278-12-4, Proquinazid 209861-58-5, Acetoprole 210880-92-5, Clothianidin 211867-47-9, Flumorph 220119-17-5, Selamectin 220899-03-6, Metrafenone 223419-20-3, Profluthrin 223580-51-6, Tiadinil 240494-70-6, Metofluthrin 248593-16-0, Orysastrobin 271241-14-6, Dimefluthrin 283594-90-1, Spiromesifen 361377-29-9, Fluoxastrobin 413615-35-7, Benthiavalicarb

RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)

IT 1643-20-5, Dimethyldodecylamine oxide 7128-91-8, Dimethylhexadecylamine oxide

RL: MOA (Modifier or additive use); USES (Uses)

(micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)

IT 79-57-2, Oxytetracycline 87-17-2, Salicylanilide

584-79-2, Allethrin 7696-12-0, Tetramethrin  
 10453-86-8, Resmethrin 11141-17-6, Azadirachtin  
 26002-80-2, Phenothrin 39515-41-8, Fenpropathrin  
 51630-58-1, Fenvalerate 52315-07-8 52645-53-1  
 52918-63-5, Deltamethrin 66230-04-4, Esfenvalerate  
 68085-85-8, Cyhalothrin 68359-37-5 82657-04-3  
 91465-08-6 120068-37-3 220899-03-6,

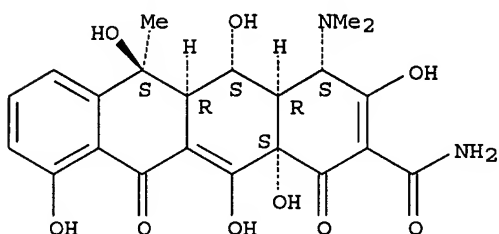
**Metrafenone**

RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
 (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)

RN 79-57-2 HCAPLUS

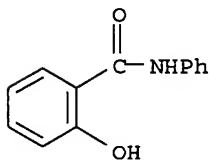
CN 2-Naphthacenecarboxamide, 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-, (4S,4aR,5S,5aR,6S,12aS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



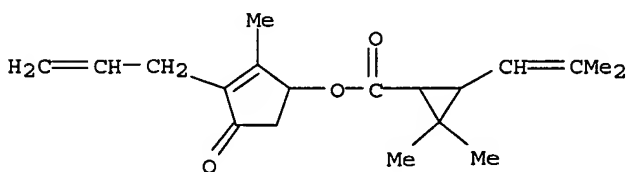
RN 87-17-2 HCAPLUS

CN Benzamide, 2-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



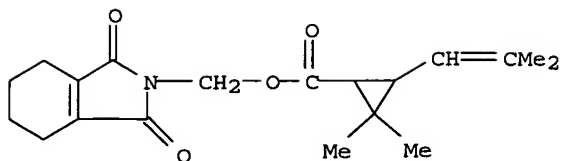
RN 584-79-2 HCAPLUS

CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester (9CI) (CA INDEX NAME)



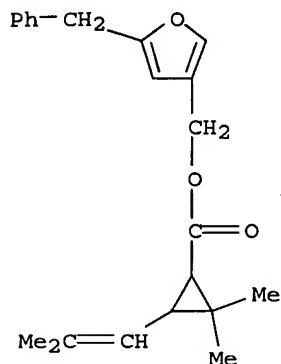
RN 7696-12-0 HCAPLUS

CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester (9CI) (CA INDEX NAME)



RN 10453-86-8 HCAPLUS

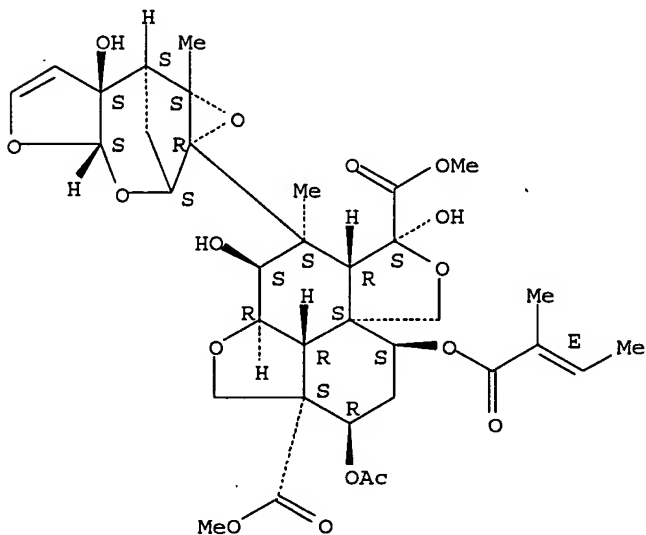
CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, [5-(phenylmethyl)-3-furanyl]methyl ester (9CI) (CA INDEX NAME)



RN 11141-17-6 HCAPLUS

CN 1H,7H-Naphtho[1,8-bc:4,4a-c']difuran-5,10a(8H)-dicarboxylic acid, 10-(acetyloxy)octahydro-3,5-dihydroxy-4-methyl-8-[[ (2E)-2-methyl-1-oxo-2-butenyl]oxy]-4-[(1aR,2S,3aS,6aS,7S,7aS)-3a,6a,7,7a-tetrahydro-6a-hydroxy-7a-methyl-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-, dimethyl ester, (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)- (9CI) (CA INDEX NAME)

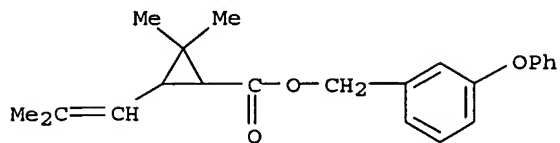
Absolute stereochemistry.  
Double bond geometry as shown.



RN 26002-80-2 HCAPLUS

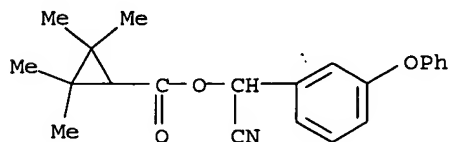
CN Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-,

(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



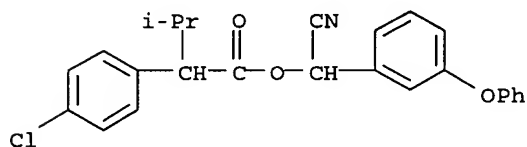
RN 39515-41-8 HCAPLUS

CN Cyclopropanecarboxylic acid, 2,2,3,3-tetramethyl-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



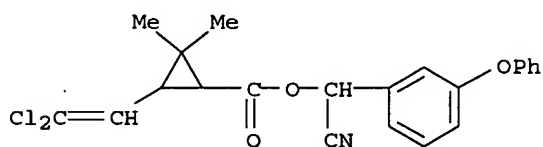
RN 51630-58-1 HCAPLUS

CN Benzeneacetic acid, 4-chloro-α-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



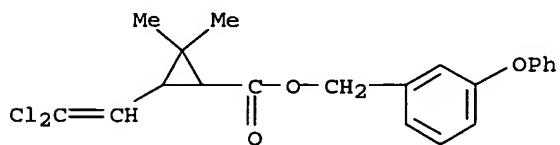
RN 52315-07-8 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



RN 52645-53-1 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)

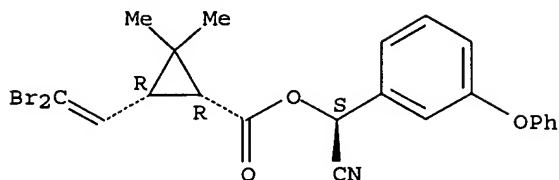


RN 52918-63-5 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-, (S)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)- (9CI) (CA INDEX NAME)

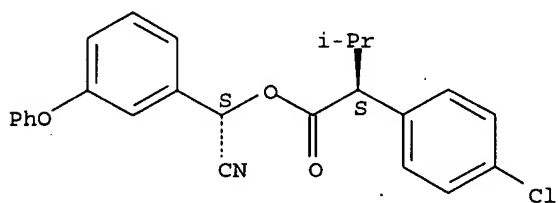


Absolute stereochemistry.

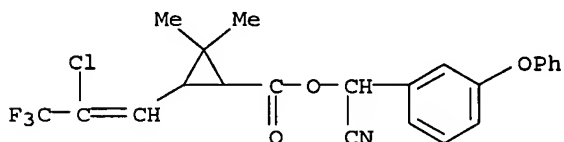


RN 66230-04-4 HCAPLUS  
 CN Benzeneacetic acid, 4-chloro- $\alpha$ -(1-methylethyl)-,  
 (S)-cyano(3-phenoxyphenyl)methyl ester, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

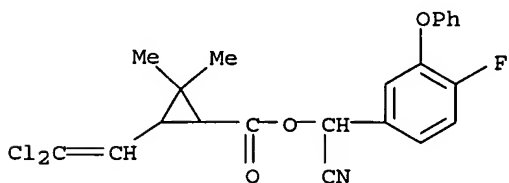
Absolute stereochemistry. Rotation (-).



RN 68085-85-8 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-,  
 cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)

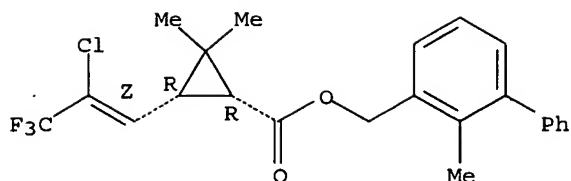


RN 68359-37-5 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,  
 cyano(4-fluoro-3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



RN 82657-04-3 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-  
 2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester, (1R,3R)-rel-  
 (9CI) (CA INDEX NAME)

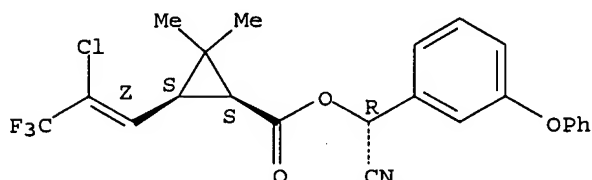
Relative stereochemistry.  
 Double bond geometry as shown.



RN 91465-08-6 HCAPLUS

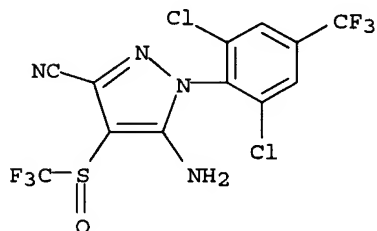
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1S,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
Double bond geometry as shown.



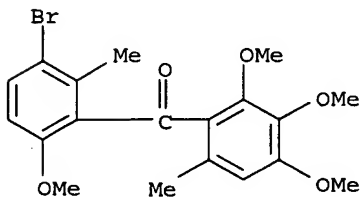
RN 120068-37-3 HCAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L50 ANSWER 2 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:405329 HCAPLUS

DN 142:463607

ED Entered STN: 12 May 2005

TI Preparation of benzoylpyridine derivatives as synergistic fungicides for controlling plant disease

IN Nishide, Hisaya; Nishimura, Shigeyuki; Mitani, Shigeru; Minamida, Koji;  
Kanamori, Fumio; Ogawa, Munekazu; Kanbayashi, Shigehisa; Tanimura,  
Toyoshi; Higuchi, Koji; Kominami, Hidemasa; Okomoto, Tomohiro; Nishimura,  
Akihiro  
PA Ishihara Sangyo Kaisha, Ltd., Japan  
SO PCT Int. Appl., 73 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
IC ICM A01N043-40  
ICS A01N035-04; A01N037-06; A01N037-34; A01N043-08; A01N043-50;  
A01N043-54; A01N043-653; A01N043-84; A01N047-38; A01N047-42;  
A01N047-44  
CC 27-16 (Heterocyclic Compounds (One Hetero Atom))  
Section cross-reference(s): 5

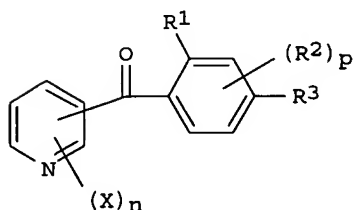
## FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041663	A1	20050512	WO 2004-JP16156	20041029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI JP 2003-371863	A	20031031		
JP 2004-6355	A	20040114		
JP 2004-210174	A	20040716		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2005041663	ICM	A01N043-40
	ICS	A01N035-04; A01N037-06; A01N037-34; A01N043-08; A01N043-50; A01N043-54; A01N043-653; A01N043-84; A01N047-38; A01N047-42; A01N047-44

OS MARPAT 142:463607  
GI



AB There is disclosed a synergistic fungicide composition characterized by containing, as active ingredients, (a) a benzoylpyridine derivative represented by the formula (I) (wherein X = halogeno, nitro, an optionally substituted hydrocarbon group, optionally substituted alkoxy, optionally substituted aryloxy, optionally substituted cycloalkoxy, hydroxy, optionally substituted alkylthio, cyano, optionally esterified or amidated carboxy, or optionally substituted amino; n = 1, 2, 3, or 4; R1 = optionally substituted alkyl; R2 = each optionally substituted alkyl, alkoxy, aryloxy, or cycloalkoxy, hydroxy; p = 1, 2, 3; R3 = optionally substituted alkoxy, hydroxy; provided that at least two of the R2 and R3 may form a fused ring containing oxygen) or a salt of the derivative and (b) at least one

other fungicide. When applied to crop plants infected with plant diseases, the bactericide composition is stably and highly effective in controlling pests. A combination of the compound I with other fungicide exhibits unexpectedly more effective fungicidal activity compared to a case when the compound I is used alone. Thus, 4,5-dichloro-2-methoxypyridine was treated with lithium diisopropylamide in THF at 78° for 2 h to give a solution of 4,5-dichloro-2-methoxy-3-pyridyllithium which was treated with a solution of 2,3,4-trimethoxy-6-methylbenzaldehyde in THF and stirred for 30 min and quenched by adding water to give, after workup and silica gel chromatog., 51% (2,3,4-trimethoxy-6-methylbenzoyl) (4,5-dichloro-2-methoxy-3-pyridyl)methanol (II). II was oxidized by MnO<sub>2</sub> in toluene under reflux for 2 h to give 65% 3-(2,3,4-trimethoxy-6-methylbenzoyl)-4,5-dichloro-2-methoxypyridine (III). III in combination with fenpropimorph exhibited synergistic fungicidal activity against *Erysiphe gaminis* f. s. tritici.

- ST benzoylpyridine prepn synergistic fungicide controlling plant disease  
IT Disease, plant  
    (preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)
- IT Fungicides  
    (synergistic; preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)
- IT 688046-46-0P 688046-47-1P 688064-05-3P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
    (preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)
- IT 387880-05-9P 387880-34-4P 387880-35-5P 387880-44-6P 387880-49-1P  
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688046-31-3P 688046-32-4P 688046-33-5P 688046-34-6P 688046-35-7P  
688046-37-9P 688046-38-0P 688046-39-1P 688046-40-4P 688046-41-5P  
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688046-60-8P 688046-61-9P 688046-62-0P 688046-63-1P 688046-64-2P  
851607-21-1P 851607-22-2P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
    (preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)
- IT 3678-62-4P, 2-Chloro-4-methylpyridine  
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
    (preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)
- IT 102-24-9, Trimethoxyboroxin 109-77-3, Malononitrile 121-43-7, Trimethyl borate 124-38-9, Carbon dioxide, reactions 124-41-4, Sodium methoxide 372-48-5, 2-Fluoropyridine 544-92-3, Copper(I) cyanide 544-97-8, Dimethylzinc 695-34-1, 2-Amino-4-methylpyridine 2369-19-9, 2-Fluoro-5-methylpyridine 5436-21-5, Acetylacetaldehyde dimethyl acetal 6443-69-2, 3,4,5-Trimethoxytoluene 22383-85-3, 2,3,4-Trimethoxy-6-methylbenzaldehyde 69045-84-7, 2,3-Dichloro-5-trifluoromethylpyridine 72326-72-8, 2-Bromo-3,4,5-trimethoxytoluene 80289-91-4, 2,3,6-Trichloro-5-trifluoromethylpyridine 81565-18-6, 2-Chloro-4-trifluoromethylpyridine 100848-70-2, 2-Methoxy-4-methylpyridine 851607-34-6  
RL: RCT (Reactant); RACT (Reactant or reagent)  
    (preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)
- IT 5444-01-9P, 3-Cyano-4-methylpyridine 22282-70-8P, 2-Fluoro-4-iodopyridine 65169-38-2P 72141-44-7P, 4-Chloro-2-methoxypyridine 79004-02-7P, 2,3,4-Trimethoxy-6-methylbenzoic acid 79574-82-6P 98197-72-9P, 4-Iodo-2-methoxypyridine 113975-22-7P, 2-Fluoro-3-iodopyridine 149379-71-5P 153034-78-7P, 2-Fluoro-3-iodo-5-

methylpyridine 168428-74-8P 212573-50-7P 219715-34-1P 387880-14-OP  
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 387881-02-9P 410547-37-4P 410547-38-5P 688046-83-5P 688046-84-6P  
 688046-87-9P 688046-92-6P 688047-04-3P 688047-08-7P 688047-09-8P  
 851607-23-3P 851607-24-4P 851607-25-5P 851607-26-6P 851607-27-7P  
 851607-28-8P 851607-29-9P 851607-30-2P 851607-31-3P 851607-32-4P  
 851607-33-5P 851607-35-7P 851607-36-8P 851607-37-9P 851607-38-0P  
 851607-39-1P 851607-40-4P 851607-41-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)

IT 76-06-2, Chloropicrin 76-87-9, Fentin hydroxide 82-68-8, Quintozene  
 133-06-2, Captan 133-07-3, Folpet 137-42-8, Metam sodium 533-74-4,  
 Dazomet 900-95-8, Fentin acetate 1085-98-9, Dichlofluanid 1897-45-6,  
 Chlorothalonil 2425-06-1, Captafol 2439-01-2, Quinomethionate  
 8018-01-7, Mancozeb 9006-42-2, Metiram 10004-44-1, Hymexazol  
 10605-21-7, Carbendazim 11113-80-7, Polyoxin 12071-83-9, Propineb  
 12122-67-7, Zineb 12427-38-2, Maneb 13516-27-3, Iminoctadine  
 17109-49-8, O-Ethyl S,S-diphenylphosphorodithioate 17804-35-2, Benomyl  
 20427-59-2, Cupric hydroxide 23564-05-8, Thiophanate-Methyl  
 25606-41-1, Propamocarb hydrochloride 26087-47-8 26644-46-2, Triforine  
 27355-22-2, Fthalide 27605-76-1, Probenazole 32809-16-8, Procymidone  
 36734-19-7, Iprodione 39148-24-8, Fosetyl-Al 41814-78-2, Tricyclazole  
 43121-43-3, Triadimefon 50471-44-8, Vinclozolin 50512-35-1,  
 Isoprothiolane 53112-28-0, Pyrimethanil 55179-31-2, Bitertanol  
 55219-65-3, Triadimenol 55814-41-0, Mepronil 57018-04-9,  
 Tolclofos-methyl 57369-32-1, Pyroquilon 57646-30-7, Furalaxyl  
 57837-19-1, Metalaxyl 57966-95-7, Cymoxanil 58810-48-3, Ofurace  
 60168-88-9, Fenarimol 60207-90-1, Propiconazole 60207-93-4,  
 Etaconazole 62865-36-5, Diclomezine 64440-88-6, Polycarbamate  
 6063-05-6, Pencycuron 66246-88-6, Penconazole 66332-96-5, Flutolanil  
 67306-00-7, Fenpropidine 67564-91-4, Fenpropimorph 67747-09-5,  
 Prochloraz 68694-11-1, Triflumizole 69581-33-5, Cyprofuram  
 70630-17-0, Metalaxyl M 71626-11-4, Benalaxyl 74738-17-3, Fenpiclonil  
 76674-21-0, Flutriafol 77732-09-3, Oxadixyl 79622-59-6, Fluazinam  
 79983-71-4, Hexaconazole 85509-19-9, Flusilazole 86598-92-7,  
 Imibenconazole 87130-20-9, Diethofencarb 88283-41-4, Pyrifeno  
 88671-89-0, Myclobutanil 94361-06-5, Cyproconazole 106917-52-6,  
 Flusulfamide 107534-96-3, Tebuconazole 110235-47-7, Mepanipyrim  
 110488-70-5, Dimethomorph 112281-77-3, Tetraconazole 112839-32-4,  
 cis-Furconazole 115852-48-7, Fenoxanil 117428-22-5, Picoxystrobin  
 118134-30-8, Spiroxamine 120116-88-3, Cyazofamid 121552-61-2,  
 Cyprodinil 124495-18-7, Quinoxifen 125116-23-6, Metconazole  
 126833-17-8, Fenhexamid 131341-86-1, Fludioxonil 131807-57-3,  
 Famoxadone 131860-33-8, Azoxystrobin 133855-98-8, Epoxiconazole  
 134074-64-9, Oxpconazole 136426-54-5, Fluquinconazole 139920-32-4,  
 Diclocymet 140923-17-7, Iprovalicarb 141517-21-7, Trifloxystrobin  
 143390-89-0, Kresoxim-methyl 149508-90-7, Simeconazole 149961-52-4,  
 Dimoxystrobin 156052-68-5, Zoxamide 161326-34-7, Fenamidone  
 162650-77-3, Ethaboxam 169202-06-6, Iminoctadine tris(albesilate)  
 174212-12-5, Oxpconazole fumarate 175217-20-6, Silthiopham  
 178928-70-6, Prothioconazole 180409-60-3, Cyflufenamid 182916-02-5,  
 Metominofen 188425-85-6, Nicobifen 189278-12-4, Proquinazid  
 211867-47-9, Flumorph 220899-03-6, Metrafenone  
 223580-51-6, Tiadinil 361377-29-9, Fluoxastrobin 413615-35-7,  
 Benthiavalicarb 851607-42-6

RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(synergistic agrochem. fungicide composition containing; preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)

IT 851607-43-7 851607-44-8 851607-45-9 851607-46-0 851607-47-1  
 851607-48-2 851607-49-3 851607-50-6 851607-51-7 851607-52-8  
 851607-53-9 851607-55-1 851607-56-2 851607-57-3 851607-58-4  
 851607-59-5 851607-60-8 851607-61-9 851607-62-0 851607-63-1

851607-64-2	851607-65-3	851607-66-4	851607-67-5	851607-68-6
851607-69-7	851607-70-0	851607-71-1	851607-72-2	851607-73-3
851607-74-4	851607-75-5	851607-76-6	851607-77-7	851607-78-8
851607-79-9	851607-80-2	851607-81-3	851607-82-4	851607-83-5
851607-84-6	851607-85-7	851607-86-8	851607-87-9	851607-88-0
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851607-94-8	851607-95-9	851607-96-0	851607-97-1	851607-98-2
851607-99-3	851608-00-9	851608-01-0	851608-02-1	851608-03-2
851608-04-3	851608-05-4	851608-06-5	851608-07-6	851608-08-7
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851608-19-0	851608-20-3	851608-21-4	851608-22-5	851608-23-6
851608-24-7	851608-25-8	851608-26-9	851608-27-0	851608-28-1
851608-29-2	851608-30-5	851608-31-6		

RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);

ANST (Analytical study); BIOL (Biological study); USES (Uses)

(synergistic agrochem. fungicide composition; preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Ishihara Sangyo Kaisha Ltd; WO 022527 A1 2002
- (2) Ishihara Sangyo Kaisha Ltd; EP 1296952 A 2002 HCAPLUS
- (3) Ishihara Sangyo Kaisha Ltd; JP 2002356474 A 2002 HCAPLUS
- (4) Ishihara Sangyo Kaisha Ltd; US 2003216444 A1 2002 HCAPLUS

IT 220899-03-6, Metrafenone

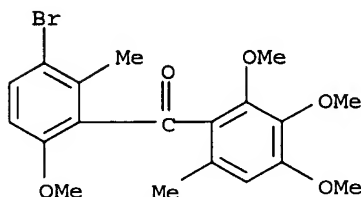
RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);

ANST (Analytical study); BIOL (Biological study); USES (Uses)

(synergistic agrochem. fungicide composition; preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)

RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



IT 851607-68-6

RL: ARG (Analytical reagent use); BSU (Biological study, unclassified);

ANST (Analytical study); BIOL (Biological study); USES (Uses)

(synergistic agrochem. fungicide composition; preparation of benzoylpyridine derivs. as synergistic fungicides for controlling plant disease)

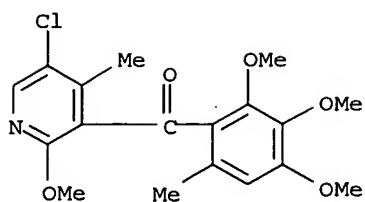
RN 851607-68-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)-, mixt. with (5-chloro-2-methoxy-4-methyl-3-pyridinyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 688046-61-9

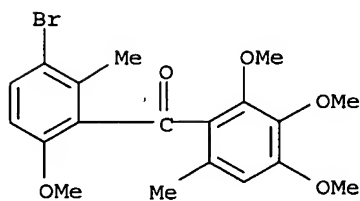
CMF C18 H20 Cl N O5



CM 2

CRN 220899-03-6

CMF C19 H21 Br O5



L50 ANSWER 3 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2005:405320 HCAPLUS  
 DN 142:425351  
 ED Entered STN: 12 May 2005  
 TI Synergistic fungicidal combinations comprising a carboxamide derivative  
 IN Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe,  
 Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne  
 PA Bayer Cropscience Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 126 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 IC ICM A01N  
 CC 5-2 (Agrochemical Bioregulators)  
 FAN.CNT 1

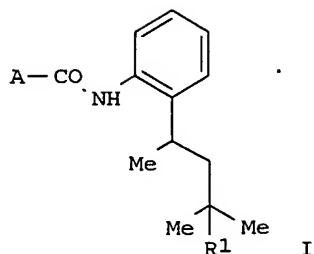
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005041653	A2	20050512	WO 2004-EP11403	20041012
	WO 2005041653	A3	20050728		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10349501	A1	20050525	DE 2003-10349501	20031023
PRAI	DE 2003-10349501	A	20031023		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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WO 2005041653	ICM	A01N
OS	MARPAT 142:425351	

GI



AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R1 = H, halo or (halo)alkyl; R1 = (un)substituted Ph, furyl, pyridinyl, etc.] and any of a very large number of known fungicides.

ST synergism fungicide compn carboxamide deriv

IT Fungicides

(synergistic, agrochem; combinations comprising a carboxamide derivative)

IT 87-41-2D, Phthalide, mixture with carboxamide derivative 133-06-2D, Captan, mixture with carboxamide derivative 133-07-3D, Folpet, mixture with carboxamide derivative 137-26-8D, Thiram, mixture with carboxamide derivative 137-30-4D, Ziram, mixture with carboxamide derivative 148-79-8D, Thiabendazole, mixture with carboxamide derivative 731-27-1D, Tolyfluanid, mixture with carboxamide derivative 1018-71-9D, Pyrrolnitrine, mixture with carboxamide derivative 1085-98-9D, Dichlofluanid, mixture with carboxamide derivative 1332-40-7D, Copper oxychloride, mixture with carboxamide derivative 1593-77-7D, Dodemorph, mixture with carboxamide derivative 1897-45-6D, Chlorothalonil, mixture with carboxamide derivative 2425-06-1D, Captafol, mixture with carboxamide derivative 2439-10-3D, Dodine, mixture with carboxamide derivative 3347-22-6D, Dithianone, mixture with carboxamide derivative 3878-19-1D, Fuberidazole, mixture with carboxamide derivative 5234-68-4D, Carboxin, mixture with carboxamide derivative 6980-18-3D, Kasugamycin, mixture with carboxamide derivative 8018-01-7D, Mancozeb, mixture with carboxamide derivative 9006-42-2D, Metiram, mixture with carboxamide derivative 10605-21-7D, Carbendazim, mixture with carboxamide derivative 12071-83-9D, Propineb, mixture with carboxamide derivative 12122-67-7D, Zineb, mixture with carboxamide derivative 12427-38-2D, Maneb, mixture with carboxamide derivative 13598-36-2D, Phosphonic acid, mixture with carboxamide derivative 17109-49-8D, Edifenphos, mixture with carboxamide derivative 17804-35-2D, Benomyl, mixture with carboxamide derivative 23564-05-8D, Thiophanatemethyl, mixture with carboxamide derivative 23564-06-9D, Thiophanateethyl, mixture with carboxamide derivative 24579-73-5D, Propamocarb, mixture with carboxamide derivative 25606-41-1D, Propamocarbhydrochloride, mixture with carboxamide derivative 27605-76-1D, Probenazole, mixture with carboxamide derivative 32809-16-8D, Procymidone, mixture with carboxamide derivative 36734-19-7D, Iprodione, mixture with carboxamide derivative 39148-24-8D, FosetylAl, mixture with carboxamide derivative 41814-78-2D, Tricyclazole, mixture with carboxamide derivative 43121-43-3D, Triadimefon, mixture with carboxamide derivative 50471-44-8D, Vinclozolin, mixture with carboxamide derivative 50512-35-1D, Isoprothiolane, mixture with carboxamide derivative 51832-87-2D, Picobenzide, mixture with carboxamide derivative 53112-28-0D, Pyrimethanil, mixture with carboxamide derivative 55179-31-2D, Bitertanol, mixture with carboxamide derivative 55219-65-3D, Triadimenol, mixture with carboxamide derivative 57520-17-9D, Iminoctadine triacetate, mixture with carboxamide derivative 57646-30-7D, Furalaxyl, mixture with carboxamide derivative 57837-19-1D, Metalaxyl, mixture with carboxamide derivative 57966-95-7D, Cymoxanil, mixture with carboxamide derivative 60207-31-0D, Azaconazole, mixture with carboxamide derivative 60207-90-1D, Propiconazole, mixture with carboxamide derivative 60207-93-4D, Etaconazole, mixture with carboxamide derivative 65571-68-8, Clorfenazole 66063-05-6D, Pencycuron, mixture with carboxamide derivative 66246-88-6D, Penconazole,



mixture with carboxamide derivative 67564-91-4D, Fenpropimorph, mixture with  
 carboxamide derivative 67747-09-5D, Prochloraz, mixture with carboxamide  
 derivative 70630-17-0D, Metalaxyl-M, mixture with carboxamide derivative  
 71626-11-4D, Benalaxyl, mixture with carboxamide derivative 72459-58-6D,  
 Triazoxide, mixture with carboxamide derivative 74738-17-3D, Fencpiclonil,  
 mixture with carboxamide derivative 76674-21-0D, Flutriafol, mixture with  
 carboxamide derivative 77732-09-3D, Oxadixyl[, mixture with carboxamide derivative  
 79622-59-6D, Fluazinam, mixture with carboxamide derivative 79983-71-4D,  
 Hexaconazole, mixture with carboxamide derivative 81412-43-3D, Tridemorph,  
 mixture with carboxamide derivative 85509-19-9D, Flusilazole, mixture with  
 carboxamide derivative 87130-20-9D, Diethofencarb, mixture with carboxamide  
 derivative 88671-89-0D, Myclobutanil, mixture with carboxamide derivative  
 89269-64-7D, Ferimzone, mixture with carboxamide derivative 91315-15-0D,  
 Aldimorph, mixture with carboxamide derivative 94361-06-5D, Cyproconazole,  
 mixture with carboxamide derivative 98243-83-5D, Benalaxyl-M, mixture with  
 carboxamide derivative 101903-30-4D, Pefurazoate, mixture with carboxamide  
 derivative 103970-75-8D, Quinconazole, mixture with carboxamide derivative  
 104030-54-8D, Carpropamid, mixture with carboxamide derivative 107534-96-3D,  
 Tebuconazole, mixture with carboxamide derivative 108173-90-6, Guazatine  
 110235-47-7D, Mepanipyrin, mixture with carboxamide derivative 110488-70-5D,  
 Dimethomorph, mixture with carboxamide derivative 112281-77-3D, Tetraconazole,  
 mixture with carboxamide derivative 114369-43-6D, Fenbuconazole, mixture with  
 carboxamide derivative 115852-48-7D, Fenoxanil, mixture with carboxamide  
 derivative 116255-48-2D, Bromuconazole, mixture with carboxamide derivative  
 117428-22-5D, Picoxystrobin, mixture with carboxamide derivative 118134-30-8D,  
 Spiroxamine, mixture with carboxamide derivative 119446-68-3D, Difenconazole,  
 mixture with carboxamide derivative 119899-14-8D, mixture with carboxamide  
 derivative 120116-88-3D, Cyazofamid, mixture with carboxamide derivative  
 121552-61-2D, Cyprodinil, mixture with carboxamide derivative 123572-88-3D,  
 Furametpyr, mixture with carboxamide derivative 125116-23-6D, Metconazole,  
 mixture with carboxamide derivative 125225-28-7D, IPconazole, mixture with  
 carboxamide derivative 126833-17-8D, Fenhexamid, mixture with carboxamide  
 derivative 131341-86-1D, Fludioxonil, mixture with carboxamide derivative  
 131752-26-6D, mixture with carboxamide derivative 131807-57-3D, Famoxadone,  
 mixture with carboxamide derivative 131860-33-8D, Azoxystrobin, mixture with  
 carboxamide derivative 131983-72-7D, Triticonazole, mixture with carboxamide  
 derivative 133408-50-1D, Metominostrobin, mixture with carboxamide derivative  
 133855-98-8D, Epoxiconazole, mixture with carboxamide derivative 135158-54-2D,  
 Acibenzolar-S-methyl, mixture with carboxamide derivative 136426-54-5D,  
 Fluquinconazole, mixture with carboxamide derivative 139920-32-4D, Diclocymet,  
 mixture with carboxamide derivative 140923-17-7D, Iprovalicarb, mixture with  
 carboxamide derivative 141517-21-7D, Trifloxystrobin, mixture with carboxamide  
 derivative 143390-89-0D, Kresoximmethyl, mixture with carboxamide derivative  
 149508-90-7D, Simeconazole, mixture with carboxamide derivative 149961-52-4D,  
 Dimoxystrobin, mixture with carboxamide derivative 156052-68-5D, Zoxamide,  
 mixture with carboxamide derivative 156581-89-4D, mixture with carboxamide  
 derivative 158169-73-4D, mixture with carboxamide derivative 161326-34-7D,  
 Fenamidone, mixture with carboxamide derivative 162650-77-3D, Ethaboxam, mixture  
 with carboxamide derivative 175013-18-0D, Pyraclostrobin, mixture with  
 carboxamide derivative 175217-20-6D, Silthiofam, mixture with carboxamide  
 derivative 178928-70-6D, Prothioconazole, mixture with carboxamide derivative  
 181624-76-0D, mixture with carboxamide derivative 181627-13-4D, mixture with  
 carboxamide derivative 183675-82-3D, Penthiopyrad, mixture with carboxamide  
 derivative 183676-44-0D, mixture with carboxamide derivative 187233-48-3D, mixture  
 with carboxamide derivative 188027-78-3D, mixture with carboxamide derivative  
 188425-85-6D, Boscalid, mixture with carboxamide derivative 189873-26-5D,  
 mixture with carboxamide derivative 210230-99-2D, mixture with carboxamide  
 derivative 214706-53-3D, mixture with carboxamide derivative 220899-03-6D  
 , Metrafenone, mixture with carboxamide derivative 221451-58-7D,  
 mixture with carboxamide derivative 221667-31-8 223580-51-6D, Tiadinil,  
 mixture with carboxamide derivative 224049-04-1D, mixture with carboxamide  
 derivative 237055-17-3D, mixture with carboxamide derivative 248593-16-0D,  
 Orysaastrobin, mixture with carboxamide derivative 249648-16-6D, mixture with  
 carboxamide derivative 308286-29-5D, mixture with carboxamide derivative  
 361377-29-9D, Fluoxastrobin, mixture with carboxamide derivative 367262-88-2D,  
 mixture with carboxamide derivative 367262-94-0D, mixture with carboxamide

derivative 367262-97-3D, mixture with carboxamide derivative 367263-03-4D, mixture with carboxamide derivative 374726-62-2D, mixture with carboxamide derivative 413615-35-7D, Benthiavalicarb, mixture with carboxamide derivative 424824-17-9D, mixture with carboxamide derivative 424831-80-1D, mixture with carboxamide derivative 497934-59-5D, mixture with carboxamide derivative 497934-60-8D, mixture with carboxamide derivative 577794-43-5D, mixture with carboxamide derivative 577954-87-1D, mixture with carboxamide derivative 577954-88-2D, mixture with carboxamide derivative 577955-06-7D, mixture with carboxamide derivative 581809-46-3D, mixture with carboxamide derivative 756523-12-3D, mixture with carboxamide derivative 849674-85-7D, mixture with carboxamide derivative 849674-86-8D, mixture with carboxamide derivative 849674-87-9D, mixture with carboxamide derivative 849674-88-0D, mixture with carboxamide derivative 851018-45-6D, mixture with carboxamide derivative 851018-46-7D, mixture with carboxamide derivative 851018-47-8D, mixture with carboxamide derivative 851018-48-9 851018-49-0 851018-50-3 851018-51-4

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RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal composition)

IT 494793-45-2D, mixts. containing 494793-67-8D, mixts. containing 640290-16-0D, mixts. containing 640290-17-1D, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal compns.)

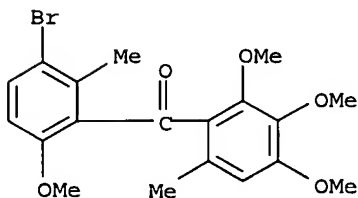
IT 220899-03-6D, Metrafenone, mixture with carboxamide derivative

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal composition)

RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L50 ANSWER 4 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:346774 HCAPLUS

DN 142:387616

ED Entered STN: 22 Apr 2005

TI Synergistic fungicidal combinations comprising carboxamide derivatives

IN Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anne; Rieck, Heiko

PA Bayer Cropscience Aktiengesellschaft, Germany

SO PCT Int. Appl., 141 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM A01N043-56

ICS A01N043-78; A01N057-12; A01N047-38; A01N047-32; A01N047-18;

A01N047-14; A01N047-12; A01N047-04; A01N043-90; A01N043-88;

A01N043-80; A01N043-707; A01N043-653; A01N043-54; A01N043-50;

A01N043-40; A01N043-30; A01N037-50; A01N037-46  
CC 5-2 (Agrochemical Bioregulators)

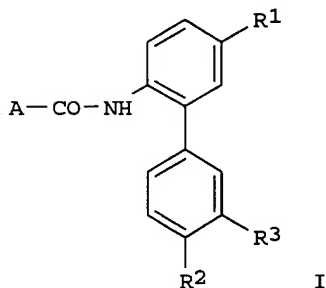
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005034628	A1	20050421	WO 2004-EP10830	20040928
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	DE 10347090	A1	20050504	DE 2003-10347090	20031010
PRAI	DE 2003-10347090	A	20031010		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2005034628	ICM	A01N043-56
	ICS	A01N043-78; A01N057-12; A01N047-38; A01N047-32; A01N047-18; A01N047-14; A01N047-12; A01N047-04; A01N043-90; A01N043-88; A01N043-80; A01N043-707; A01N043-653; A01N043-54; A01N043-50; A01N043-40; A01N043-30; A01N037-50; A01N037-46

OS MARPAT 142:387616  
GI



AB Synergistic fungicidal mixts. comprise a carboxamide derivative I [R1= H or F; R2 = halo, (halo)alkyl or (halo)alkoxy; , R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.] and any of 22 groups of known fungicides.

ST synergism fungicide combination carboxamide deriv

IT Fungicides

(synergistic; synergistic fungicidal combinations comprising carboxamide derivs.)

IT 87-41-2D, Phthalide, mixture with carboxamide derivative 133-06-2D, Captan, mixture with carboxamide derivative 133-07-3D, Folpet, mixture with carboxamide derivative 137-26-8D, Thiram, mixture with carboxamide derivative 137-30-4D, Ziram, mixture with carboxamide derivative 148-79-8D, Thiabendazole, mixture with carboxamide derivative 731-27-1D, mixture with carboxamide derivative 1018-71-9D, Pyrrolnitrine, mixture with carboxamide derivative 1085-98-9D, mixture with carboxamide derivative 1332-40-7D, Copper oxychloride, mixture with carboxamide derivative 1593-77-7D, Dodemorph, mixture with carboxamide derivative 1897-45-6D, Chlorothalonil, mixture with carboxamide derivative 2425-06-1D, Captafol, mixture with carboxamide derivative 2439-10-3D, Dodine, mixture with

carboxamide derivative 3347-22-6D, Dithianone, mixture with carboxamide derivative 3878-19-1D, Fuberidazole, mixture with carboxamide derivative 5234-68-4D, Carboxin, mixture with carboxamide derivative 6980-18-3D, Kasugamycin, mixture with carboxamide derivative 8018-01-7D, Mancozeb, mixture with carboxamide derivative 9006-42-2D, Metiram, mixture with carboxamide derivative 10605-21-7D, Carbendazim, mixture with carboxamide derivative 12071-83-9D, Propineb, mixture with carboxamide derivative 12122-67-7D, Zineb, mixture with carboxamide derivative 12427-38-2D, Maneb, mixture with carboxamide derivative 13598-36-2D, Phosphonic acid, mixture with carboxamide derivative 17109-49-8D, Edifenphos, mixture with carboxamide derivative 17804-35-2D, Benomyl, mixture with carboxamide derivative 20427-59-2D, Copper hydroxide, mixture with carboxamide derivative 23564-05-8D, Thiophanatemethyl, mixture with carboxamide derivative 23564-06-9D, Thiophanateethyl, mixture with carboxamide derivative 24579-73-5D, Propamocarb, mixture with carboxamide derivative 25606-41-1D, Propamocarbhydrochloride, mixture with carboxamide derivative 27605-76-1D, Probenazole, mixture with carboxamide derivative 32809-16-8D, Procymidone, mixture with carboxamide derivative 36734-19-7D, Iprodione, mixture with carboxamide derivative 39148-24-8D, FosetylAl, mixture with carboxamide derivative 41814-78-2D, Tricyclazole, mixture with carboxamide derivative 43121-43-3D, Triadimefon, mixture with carboxamide derivative 50471-44-8D, Vinclozolin, mixture with carboxamide derivative 50512-35-1D, Isoprothiolane, mixture with carboxamide derivative 51832-87-2D, Picobenzide, mixture with carboxamide derivative 53112-28-0D, mixture with carboxamide derivative 55179-31-2D, Bitertanol, mixture with carboxamide derivative 55219-65-3D, Triadimenol, mixture with carboxamide derivative 57520-17-9D, Iminoctadine triacetate, mixture with carboxamide derivative 57966-95-7D, Cymoxanil, mixture with carboxamide derivative 60207-31-0D, Azaconazole, mixture with carboxamide derivative 60207-93-4D, Etaconazole, mixture with carboxamide derivative 65571-68-8D, Clorfenazole, mixture with carboxamide derivative 66063-05-6D, Pencycuron, mixture with carboxamide derivative 66246-88-6D, Penconazole, mixture with carboxamide derivative 67564-91-4D, Fenpropimorph, mixture with carboxamide derivative 67747-09-5D, Prochloraz, mixture with carboxamide derivative 69516-34-3D, mixture with carboxamide derivative 70630-17-0D, Metalaxyl-M, mixture with carboxamide derivative 72459-58-6D, Triazoxide, mixture with carboxamide derivative 74738-17-3D, Fenpiclonil, mixture with carboxamide derivative 76674-21-0D, Flutriafol, mixture with carboxamide derivative 77732-09-3D, Oxadixyl, mixture with carboxamide derivative 79048-45-6D, mixture with carboxamide derivative 79622-59-6D, Fluazinam, mixture with carboxamide derivative 79983-71-4D, Hexaconazole, mixture with carboxamide derivative 81412-43-3D, Tridemorph, mixture with carboxamide derivative 85509-19-9D, Flusilazole, mixture with carboxamide derivative 87130-20-9D, Diethofencarb, mixture with carboxamide derivative 88671-89-0D, Myclobutanil, mixture with carboxamide derivative 89269-64-7D, Ferimzone, mixture with carboxamide derivative 91315-15-0D, Aldimorph, mixture with carboxamide derivative 94361-06-5D, Cyproconazole, mixture with carboxamide derivative 97716-85-3D, mixture with carboxamide derivative 98243-83-5D, Benalaxyl-M, mixture with carboxamide derivative 101903-30-4D, Pefurazoate, mixture with carboxamide derivative 103970-75-8D, Quinconazole, mixture with carboxamide derivative 104030-54-8D, Carpropamid, mixture with carboxamide derivative 107534-96-3D, Tebuconazole, mixture with carboxamide derivative 108173-90-6D, Guazatine, mixture with carboxamide derivative 110235-47-7D, mixture with carboxamide derivative 110488-70-5D, Dimethomorph, mixture with carboxamide derivative 112281-77-3D, Tetraconazole, mixture with carboxamide derivative 114369-43-6D, Fenbuconazole, mixture with carboxamide derivative 115852-48-7D, Fenoxanil, mixture with carboxamide derivative 116255-48-2D, Bromuconazole, mixture with carboxamide derivative 117428-22-5D, Picoxystrobin, mixture with carboxamide derivative 118134-30-8D, Spiroxamine, mixture with carboxamide derivative 119446-68-3D, Difenoconazole, mixture with carboxamide derivative 119899-14-8D, mixture with carboxamide derivative 120116-88-3D, Cyazofamid, mixture with carboxamide derivative 121552-61-2D, mixture with carboxamide derivative 123572-88-3D, Furametpyr, mixture with carboxamide derivative 125116-23-6D, Metconazole, mixture with carboxamide derivative 125225-28-7D, Ipconazole, mixture with carboxamide derivative 126833-17-8D, Fenhexamid, mixture with carboxamide derivative 131341-86-1D, Fludioxonil, mixture with carboxamide derivative 131752-26-6D, mixture with carboxamide derivative

131807-57-3D, Famoxadone, mixture with carboxamide derivative 131860-33-8D, Azoxystrobin, mixture with carboxamide derivative 131983-72-7D, Triticonazole, mixture with carboxamide derivative 133408-50-1D, Metominostrobin, mixture with carboxamide derivative 133855-98-8D, Epoxiconazole, mixture with carboxamide derivative 135158-54-2D, Acibenzolar-S-methyl, mixture with carboxamide derivative 136426-54-5D, Fluquinconazole, mixture with carboxamide derivative 139920-32-4D, Diclocymet, mixture with carboxamide derivative 140923-17-7D, Iprovalicarb, mixture with carboxamide derivative 141517-21-7D, Trifloxystrobin, mixture with carboxamide derivative 143390-89-0D, Kresoximmethyl, mixture with carboxamide derivative 149508-90-7D, Simeconazole, mixture with carboxamide derivative 149961-52-4D, Dimoxystrobin, mixture with carboxamide derivative 156052-68-5D, Zoxamide, mixture with carboxamide derivative 156581-89-4D, mixture with carboxamide derivative 158169-73-4D, mixture with carboxamide derivative 161326-34-7D, Fenamidone, mixture with carboxamide derivative 162650-77-3D, Ethaboxam, mixture with carboxamide derivative 169202-06-6D, Iminoctadine tris(albesilate), mixture with carboxamide derivative 175013-18-0D, Pyraclostrobin, mixture with carboxamide derivative 175217-20-6D, Silthiofam, mixture with carboxamide derivative 178928-70-6D, Prothioconazole, mixture with carboxamide derivative 181624-76-0D, mixture with carboxamide derivative 181627-13-4D, mixture with carboxamide derivative 183675-82-3D, Penthiopyrad, mixture with carboxamide derivative 183676-44-0D, mixture with carboxamide derivative 187233-48-3D, mixture with carboxamide derivative 188027-78-3D, mixture with carboxamide derivative 188425-85-6D, Boscalid, mixture with carboxamide derivative 189873-26-5D, mixture with carboxamide derivative 210230-99-2D, mixture with carboxamide derivative 214706-53-3D, mixture with carboxamide derivative 220899-03-6D, Metrafenone, mixture with carboxamide derivative 221451-58-7D, mixture with carboxamide derivative 221667-31-8D, mixture with carboxamide derivative 223580-51-6D, Tiadinil, mixture with carboxamide derivative 224049-04-1D, mixture with carboxamide derivative 237055-17-3D, mixture with carboxamide derivative 248593-16-0D, Orysastrobin, mixture with carboxamide derivative 249648-16-6D, mixture with carboxamide derivative 308286-29-5D, mixture with carboxamide derivative 361377-29-9D, Fluoxastrobin, mixture with carboxamide derivative 367262-88-2D, mixture with carboxamide derivative 367262-94-0D, mixture with carboxamide derivative 367262-97-3D, mixture with carboxamide derivative 367263-03-4D, mixture with carboxamide derivative 374726-62-2D, mixture with carboxamide derivative 413615-35-7D, Benthiavalicarb, mixture with carboxamide derivative 424824-17-9D, mixture with carboxamide derivative 424831-80-1D, mixture with carboxamide derivative 497934-59-5D, mixture with carboxamide derivative 497934-60-8D, mixture with carboxamide derivative 577954-87-1D, mixts. with fungicides 577954-88-2D, mixts. with fungicides 577954-96-2D, mixts. with fungicides 581809-46-3D, mixts. with fungicides 756523-12-3D, mixture with carboxamide derivative 849674-14-2 849674-16-4 849674-17-5 849674-20-0 849674-22-2 849674-24-4 849674-26-6 849674-29-9 849674-31-3 849674-33-5 849674-35-7 849674-38-0 849674-44-8 849674-45-9 849674-48-2 849674-51-7 849674-54-0 849674-56-2 849674-57-3 849674-58-4 849674-59-5 849674-60-8 849674-61-9 849674-62-0 849674-63-1 849674-65-3 849674-67-5 849674-69-7 849674-71-1 849674-72-2 849674-73-3 849674-74-4 849674-75-5 849674-76-6 849674-77-7 849674-78-8 849674-85-7D, mixture with carboxamide derivative 849674-86-8D, mixture with carboxamide derivative 849674-87-9D, mixture with carboxamide derivative 849674-88-0D, mixture with carboxamide derivative

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal combination)

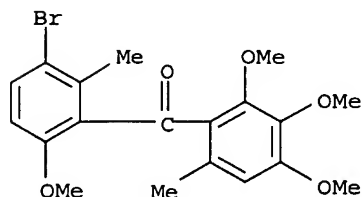
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Basf Ag; EP 0545099 A 1993 HCAPLUS
- (2) Basf Ag; EP 0589301 A 1994 HCAPLUS
- (3) Basf Ag; WO 9708952 A 1997 HCAPLUS
- (4) Basf Ag; WO 9710716 A 1997 HCAPLUS
- (5) Basf Ag; EP 1214881 A 2002 HCAPLUS
- (6) Leyendecker, J; WO 9808385 A 1998 HCAPLUS
- (7) Novartis Erfind Verwalt GmbH; WO 9963813 A 1999 HCAPLUS
- (8) Schelberger, K; WO 9931980 A 1999 HCAPLUS
- (9) Schelberger, K; WO 9931985 A 1999 HCAPLUS

Search done by Ross Schipe

(10) Strathmann, S; WO 9739630 A 1997 HCAPLUS  
 IT 220899-03-6D, Metrafenone, mixture with carboxamide derivative  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal combination)  
 RN 220899-03-6 HCAPLUS  
 CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)

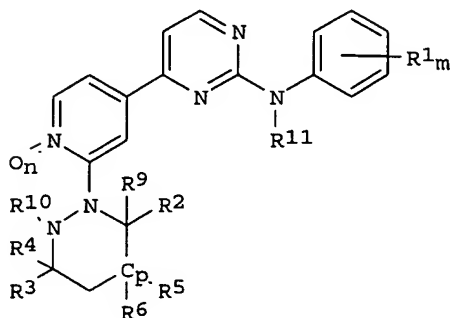


L50 ANSWER 5 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:796496 HCAPLUS  
 DN 141:290547  
 ED Entered STN: 30 Sep 2004  
 TI Fungicidal compositions comprising N-phenyl-N-[4-(4-pyridyl)-2-pyrimidin-2-yl]amine derivatives  
 IN Ackerman, Peter; Stierli, Daniel; Jung, Pierre Marcel Joseph; Maienfisch, Peter; Cederbaum, Fredrik Emil Malcolm; Wenger, Jean-Frederic  
 PA Syngenta Participations AG, Switz.  
 SO Brit. UK Pat. Appl., 112 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 IC ICM A01N043-56  
 ICS A01N043-58  
 CC 5-2 (Agrochemical Bioregulators)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2399754	A1	20040929	GB 2004-3967	20040223
PRAI	GB 2003-7269	A	20030328		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
GB 2399754	ICM	A01N043-56
	ICS	A01N043-58
GB.2399754	ECLA	A01N043/58
OS	MARPAT 141:290547	
GI		



I

AB Compns. for protecting plants, especially fungicidal compns., comprise N-phenyl-N-[4-(4-pyridyl)-2-pyrimidin-2-yl]amine derivs. (I, R1 = halo or (un)substituted alkyl, alkoxy, alkenyloxy, alkynyloxy, thioalkyl, aryl, etc.; R2-R9 = H, (un)substituted alkyl, aryl, etc.; R10 = H, (un)substituted alkyl, alkenyl, etc.; R11 = H, C1-4 alkyl, C3-4 alkenyl, etc.; m = 0, 1, 2, or 3; n, p = 0 or 1; q = 1 or 2) or a salt thereof, together with a suitable carrier and optionally addnl. active compds. Thus, spraying 1-wk-old wheat plants 0.02% I (in a test with 7 such compds.) resulted in >70% control of fungal infection assessed 10 days after inoculation with Puccinia graminis.

ST pyrimidinamine phenyl pyridyl fungicide; pyridylpyrimidinamine fungicide

IT Fungicides  
(agrochem.; phenyl[(pyridyl)pyrimidinyl]amine derivs. as)

IT 175013-18-0D, Pyraclostrobin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(BAS 500F; fungicides for plant protection)

IT 120116-88-3D, Cyazofamid, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(IKF-916; fungicides for plant protection)

IT 156052-68-5D, Zoxamide, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(RH 7281; fungicides for plant protection)

IT 211867-47-9D, Flumorph, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(SYP-L 190; fungicides for plant protection)

IT

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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as fungicide for plant protection)

IT 82-68-8D, Quintozene, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 87-41-2D, Phthalide, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 99-30-9D, Dicloran, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 101-05-3D, Anilazine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 117-80-6D, Dichlone, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 133-06-2D, Captan, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 133-07-3D, Folpet, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 137-26-8D, Thiram, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 137-30-4D, Ziram, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 148-79-8D, Thiabendazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 668-34-8D, Fentin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 731-27-1D, Tolyfluanid, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 1085-98-9D, Dichlofluanid, mixts. with [(pyridyl)pyrimidinyl]amine derivs. 1317-39-1D, Cuprous oxide, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 1332-40-7D, Copper oxychloride, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 1593-77-7D, Dodemorph, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 1897-45-6D, Chlorothalonil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 2079-00-7D, Blasticidin-S, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 2425-06-1D, Captafol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 2439-01-2D, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 2439-10-3D, Dodine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 2593-15-9D, Etridiazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 2675-77-6D, Chloroneb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 3347-22-6D, Dithianon, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 3878-19-1D, Fuberidazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 5221-53-4D, Dimethirimol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 5234-68-4D, Carboxin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 5259-88-1D, Oxycarboxin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 6980-18-3D, Kasugamycin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 7704-34-9D, Sulfur, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 7758-98-7D, Copper sulfate, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 8011-63-0D, Bordeaux mixture, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 8018-01-7D, Mancozeb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 9006-42-2D, Metiram, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 10004-44-1D, Hymexazol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 10380-28-6D, Oxine-copper, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 10552-74-6D, Nitrothal-isopropyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 10605-21-7D, Carbendazim, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 11113-80-7D, Polyoxin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 12071-83-9D, Propineb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 12122-67-7D, Zineb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 12427-38-2D, Maneb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 12771-68-5D, Ancymidol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 13457-18-6D, Pyrazophos, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 13516-27-3D, Iminoctadine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 14484-64-1D, Ferbam, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.



17109-49-8D, Edifenphos, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 17804-35-2D, Benomyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 20427-59-2D, Copper hydroxide, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 23947-60-6D, Ethirimol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 24201-58-9D, Dichlozoline, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 24579-73-5D, Propamocarb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 24691-80-3D, Fenfuram, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 26087-47-8D, Iprobenfos, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 26644-46-2D, Triforine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 27605-76-1D, Probenazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 32809-16-8D, Procymidone, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 35554-44-0D, Imazalil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 36519-00-3D, Phosdiphen, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 36734-19-7D, Iprodione, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 39148-24-8D, Fosetylaluminum, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 39300-45-3D, Dinocap, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 41205-21-4D, Fluoromide, derivs., mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 41483-43-6D, Bupirimate, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 41814-78-2D, Tricyclazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 43121-43-3D, Triadimefon, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 50471-44-8D, Vinclozolin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 50512-35-1D, Isoprothiolane, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 50642-14-3D, Validamycin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 53112-28-0D, Pyrimethanil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 53988-93-5D, Mancopper, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 54864-61-8D, Mycloczolin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 55179-31-2D, Bitertanol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 55219-65-3D, Triadimenol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 55814-41-0D, Mepronil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 57018-04-9D, Tolclofos-methyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 57369-32-1D, Pyroquilon, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 57646-30-7D, Furalaxyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 57837-19-1D, Metalaxyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 57966-95-7D, Cymoxanil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 58810-48-3D, Ofurace, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 60168-88-9D, Fenarimol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 60207-31-0D, Azaconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 60207-90-1D, Propiconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 62732-91-6D, Debacarb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 62865-36-5D, Diclomezine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 63284-71-9D, Nuarimol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 66063-05-6D, Pencycuron, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 66246-88-6D, Penconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 66332-96-5D, Flutolanil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 66952-49-6D, Methasulfocarb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 67306-00-7D, Fenpropidine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 67564-91-4D, Fenpropimorph, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 67747-09-5D, Prochloraz, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 68694-11-1D, Triflumizole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 70630-17-0D, R-Metalaxyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 71626-11-4D, Benalaxyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 72459-58-6D, Triazoxide, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 74738-17-3D, Fenpiclonil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 76674-21-0D, Flutriafol, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 77732-09-3D,

Oxadixyl, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 79622-59-6D, Fluazinam, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 79983-71-4D, Hexaconazole, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 81412-43-3D, Tridemorph,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 83657-24-3D,  
 Diniconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 84332-86-5D, Chlozolinate, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 85509-19-9D, Flusilazole, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 86598-92-7D, Imibenconazole,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 87130-20-9D,  
 Diethofencarb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 88283-41-4D, Pyrifenoxy, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 88671-89-0D, Myclobutanil, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 89269-64-7D, Ferimzone, mixts.  
 with phenyl[(pyridyl)pyrimidinyl]amine derivs. 94361-06-5D,  
 Cyproconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 101903-30-4D, Pefurazoate, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 106917-52-6D, Flusulfamide, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 107534-96-3D, Tebuconazole,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 108173-90-6D,  
 Guazatine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 110235-47-7D, Mepanipyrim, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 110488-70-5D, Dimethomorph, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 112281-77-3D, Tetraconazole,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 114369-43-6D,  
 Fenbuconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 115852-48-7D, Fenoxanil, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 116255-48-2D, Bromuconazole, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 117428-22-5D, Picoxystrobin,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 118134-30-8D,  
 Spiroxamine, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 119446-68-3D, Difenconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amin  
 e derivs. 121552-61-2D, Cyprodinil, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 124495-18-7D, Quinoxifen,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 125116-23-6D,  
 Metconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 125225-28-7D, Ipconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 126833-17-8D, Fenhexamid, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 131341-86-1D, Fludioxonil,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 131807-57-3D,  
 Famoxadone, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 131860-33-8D, Azoxystrobin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 131983-72-7D, Triticonazole, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 133408-50-1D, Metominostrobin,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 133855-98-8D,  
 Epoxiconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 135158-54-2D, Acibenzolar-S-methyl, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 136426-54-5D, Fluquinconazole,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 140923-17-7D,  
 Iprovalicarb, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 141517-21-7D, Trifloxystrobin, mixts. with phenyl[(pyridyl)pyrimidinyl]ami  
 ne derivs. 143390-89-0D, Kresoxim-methyl, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 149508-90-7D, Simeconazole,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 149961-52-4D,  
 SSF-129, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 161326-34-7D, Fenamidone, mixts. with phenyl[(pyridyl)pyrimidinyl]amine  
 derivs. 162650-77-3D, Ethaboxam, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 180409-60-3D, Cyflufenamid,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 188425-85-6D,  
 Nicobifen, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.  
 220899-03-6D, Metrafenone, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 413615-35-7D, Benthialavdicarb,  
 mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 764701-83-9D,  
 derivs. and their salts and mixts. 764701-85-1D, derivs. and their salts  
 and mixts. 765295-67-8D, BAY 14120, mixts. with  
 phenyl[(pyridyl)pyrimidinyl]amine derivs. 765295-78-1D, BAS 520, mixts.

with phenyl[(pyridyl)pyrimidinyl]amine derivs.

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(fungicides for plant protection)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Anon; WO 2001093682 A1

(2) Anon; WO 2002053560 A1

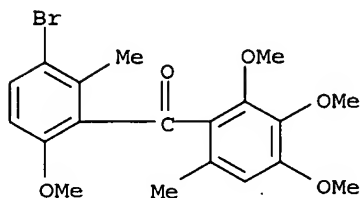
(3) Anon; WO 2003047347 A1

IT 220899-03-6D, Metrafenone, mixts. with  
phenyl[(pyridyl)pyrimidinyl]amine derivs.

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(fungicides for plant protection)

RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L50 ANSWER 6 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:13010 HCAPLUS

DN 140:351974

ED Entered STN: 08 Jan 2004

TI New molecules at CIMA 2003: 6 fungicides and 1 insecticide

AU Michel, Philippe

CS UIPP (Union des industries de la protection des plantes), Fr.

SO Phytoma (2003), 566, 33-35

CODEN: PYTOAU; ISSN: 1164-6993

PB Editions Le Carrousel

DT Journal; General Review

LA French

CC 5-0 (Agrochemical Bioregulators)

AB A review. During the international conference on farming diseases (CIMA) organized by the French Plant Protection Association (AFPP) in Tours during this month of Dec., seven mols. are being presented, i.e. 4 fungicides presented in 2003 for the very first time, along with 2 fungicides and an insecticide already presented in 2002. The new fungicides are as follows: benthiavalicarb-iso-Pr created by Kumiai and Ihara, developed by Cerexagri and Certis; boscalid by BASF, dimoxystrobin by BASF, metrafenon by BASF. The two other fungicides are prothioconazol and fluoxastrobin, both produced by Bayer CropScience. The insecticide in question is clothianidin, created by Takeda and developed by Bayer CropScience in particular.

ST review fungicide insecticide CIMA

IT Insecticides

(6 fungicides and 1 insecticide presented at CIMA 2003)

IT Fungicides

(agrochem.; 6 fungicides and 1 insecticide presented at CIMA 2003)

IT 149961-52-4, Dimoxystrobin 177406-68-7 178928-70-6, Prothioconazole

188425-85-6, Boscalid 210880-92-5, Clothianidin 220899-03-6,

Metrafenone 361377-29-9, Fluoxastrobin

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(6 fungicides and 1 insecticide presented at CIMA 2003)

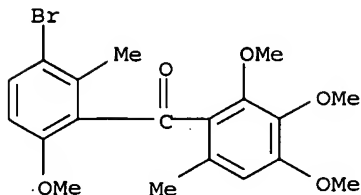
IT 220899-03-6, Metrafenone

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(6 fungicides and 1 insecticide presented at CIMA 2003)

RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L50 ANSWER 7 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:242097 HCAPLUS

DN 138:267201

ED Entered STN: 28 Mar 2003

TI Pesticidal compositions for coating plant propagation material containing anthranilamides

IN Berger, Richard Alan; Flexner, John Lindsey

PA E. I. Du Pont de Nemours &amp; Co., USA

SO PCT Int. Appl., 147 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N043-56

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 28

FAN.CNT 1

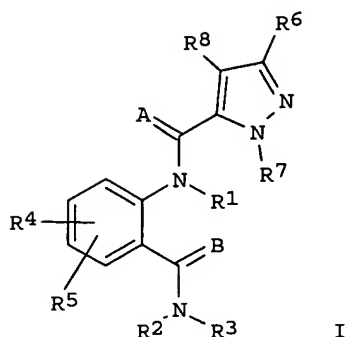
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2003024222	A1	20030327	WO 2002-US30302	20020910	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	CA 2458163	AA	20030327	CA 2002-2458163	20020910	
	EP 1427285	A1	20040616	EP 2002-775972	20020910	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK		
	BR 2002012993	A	20040817	BR 2002-12993	20020910	
	JP 2005502716	T2	20050127	JP 2003-528126	20020910	
	ZA 2004000413	A	20050120	ZA 2004-413	20040120	
	US 2004209923	A1	20041021	US 2004-485125	20040126	
PRAI	US 2001-323941P	P	20010921			
	WO 2002-US30302	W	20020910			

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2003024222	ICM	A01N043-56
WO 2003024222	ECLA	A01N043/56
JP 2005502716	FTERM	4H011/AC01; 4H011/BA01; 4H011/BB09; 4H011/BC07; 4H011/BC08; 4H011/BC18; 4H011/BC19; 4H011/BC20; 4H011/DA02; 4H011/DA15; 4H011/DA16; 4H011/DH03; 4H011/DH10
US 2004209923	NCL	514/341.000

Search done by Ross Schipe

OS MARPAT 138:267201  
GI



- AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.
- ST arthropodicide insecticide anthranilamide prepn propagule seed
- IT **Insecticides**  
(carbamate; in pesticidal compns. for plant propagation material containing anthranilamides)
- IT Leaf  
(cutting; pesticidal compns. containing anthranilamides for treatment of)
- IT Eubacteria  
Fungi  
Virus  
(entomopathogenic; in pesticidal compns. for plant propagation material containing anthranilamides)
- IT Adhesives  
Bacillus thuringiensis aizawai  
Bacillus thuringiensis kurstaki  
Baculoviridae  
Coating materials  
**Fungicides**  
GABA antagonists  
Gums and Mucilages  
Latex  
Sodium channel blockers  
(in pesticidal compns. for plant propagation material containing anthranilamides)
- IT Macrolides  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(in pesticidal compns. for plant propagation material containing anthranilamides)
- IT Acrylic polymers, biological studies  
RL: AGR (Agricultural use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
(in pesticidal compns. for plant propagation material containing anthranilamides)

IT Fats and Glyceridic oils, biological studies  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Gelatins, biological studies  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Oils  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Polyoxyalkylenes, biological studies  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Polysaccharides, biological studies  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Proteins  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Shellac  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Waxes  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Zeins  
 RL: AGR (Agricultural use); TEM (Technical or engineered material use);  
 BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Juvenile hormones  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (mimics; in pesticidal compns. for plant propagation material containing  
 anthranilamides)

IT Cucumis melo  
 (muskmelon; pesticidal compns. containing anthranilamides for plant  
 propagation material of)

IT Insecticides  
 (neonicotinoid; in pesticidal compns. for plant propagation material  
 containing anthranilamides)

IT Allium cepa  
 (ornamental; pesticidal compns. containing anthranilamides for plant  
 propagation material of)

IT Achillea  
 Allium cepa  
 Anemone  
 Antirrhinum  
 Arachis hypogaea  
 Armeria  
 Avena sativa

Begonia tuberhybrida  
Beta vulgaris  
Brassica campestris rapa  
Brassica juncea  
Brassica nigra  
Brassica oleracea capitata  
Calla  
Capsicum  
Chionodoxa  
Chrysanthemum  
Citrullus lanatus  
Coleus  
Cosmos (plant)  
Crocus (plant)  
Cucumis sativus  
Cucurbita  
Cyclamen  
Dahlia (plant)  
Daucus carota  
Dioscorea  
Freesia  
Geranium (horticultural common name)  
Gerbera  
Gladiolus  
Gloxinia (genus)  
Glycine max  
Gossypium hirsutum  
Gypsophila elegans  
Helianthus annuus  
    Hordeum vulgare  
Hyacinthus orientalis  
Impatiens  
Ipomoea batatas  
Iris (plant)  
Lactuca sativa  
Liatris spicata  
Lilium  
Linum usitatissimum  
Lisianthus  
Lycopersicon esculentum  
Marigold  
Medicago sativa  
Muscari racemosum  
Narcissus  
Nicotiana tabacum  
Oryza sativa  
Oxalis corniculata  
Petunia  
Phaseolus lunatus  
Phaseolus vulgaris  
Pisum sativum  
Puschkinia libanotica  
Rapeseed  
Scabiosa atropurpurea  
Secale cereale  
Solanum melongena  
Solanum tuberosum  
Sorghum bicolor  
Squill (plant)  
    Triticum turgidum durum  
Tulipa  
Vicia faba  
Viola wittrockiana  
Zea mays  
Zinnia  
Zizania

(pesticidal compns. containing anthranilamides for plant propagation material of)

IT Bulb (plant)  
Seed  
Stem  
Tuber (plant organ)  
(pesticidal compns. containing anthranilamides for treatment of)

IT Pyrethrins  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pyrethroids; in pesticidal compns. for plant propagation material containing anthranilamides)

IT Stem  
(rhizome; pesticidal compns. containing anthranilamides for treatment of)

IT Toxins  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
( $\delta$ -endotoxins; in pesticidal compns. for plant propagation material containing anthranilamides)

IT	362637-52-3	362637-54-5	362637-55-6	362637-56-7	362637-57-8
	362637-58-9	362637-59-0	362637-60-3	362637-61-4	362637-62-5
	362637-63-6	362637-64-7	362637-65-8	362637-66-9	362637-67-0
	362637-68-1	362637-69-2	362637-71-6	362637-72-7	362637-73-8
	362637-74-9	362637-75-0	362637-76-1	362637-77-2	362637-78-3
	362637-79-4	362637-80-7	362637-81-8	362637-82-9	362637-83-0
	362637-84-1	362637-85-2	362637-86-3	362637-87-4	362637-88-5
	362637-89-6	362637-90-9	362637-91-0	362637-92-1	362637-93-2
	362637-94-3	362637-95-4	362637-96-5	362637-97-6	362637-98-7
	362637-99-8	362638-00-4	362638-03-7	362638-04-8	362638-05-9
	362638-06-0	362638-07-1	362638-08-2	362638-09-3	362638-10-6
	362638-11-7	362638-12-8	362638-13-9	362638-14-0	362638-15-1
	362638-16-2	362638-17-3	362638-18-4	362638-19-5	362638-20-8
	362638-21-9	362638-22-0	362638-23-1	362638-24-2	362638-25-3
	362638-26-4	362638-27-5	362638-28-6	362638-29-7	362638-31-1
	362638-32-2	362638-33-3	362638-34-4	362638-35-5	362638-36-6
	362638-37-7	362638-38-8	362638-39-9	362638-40-2	362638-41-3
	362638-42-4	362638-43-5	362638-44-6	362638-45-7	362638-46-8
	362638-47-9	362638-48-0	362638-49-1	362638-50-4	362638-51-5
	362638-52-6	362638-53-7	362638-54-8	362638-55-9	362638-56-0
	362638-57-1	362638-58-2	362638-59-3	362638-60-6	362638-63-9
	362638-64-0	362638-65-1	362638-66-2	362638-67-3	362638-68-4
	362638-69-5	362638-70-8	362638-71-9	362638-72-0	362638-73-1
	362638-74-2	362638-75-3	362638-76-4	362638-77-5	362638-78-6
	362638-79-7	362638-80-0	362638-81-1	362638-82-2	362638-83-3
	362638-84-4	362638-85-5	362638-86-6	362638-87-7	362638-88-8
	362638-89-9	362638-90-2	362638-91-3	362638-92-4	362638-93-5
	362638-94-6	362638-95-7	362638-96-8	362638-97-9	362638-98-0
	362638-99-1	362639-00-7	362639-01-8	362639-02-9	362639-03-0
	362639-04-1	362639-05-2	362639-06-3	362639-07-4	362639-09-6
	362639-10-9	362639-11-0	362639-12-1	362639-13-2	362639-14-3
	362639-15-4	362639-16-5	362639-17-6	362639-18-7	362639-19-8
	362639-20-1	362639-21-2	362639-22-3	362639-23-4	362639-25-6
	362639-26-7	362639-27-8	362639-28-9	362639-29-0	362639-30-3
	362639-31-4	362639-32-5	362639-33-6	362639-34-7	362639-35-8
	362639-36-9	362639-37-0	362639-38-1	362639-40-5	362639-41-6
	362639-42-7	362639-43-8	362639-44-9	362639-45-0	362639-46-1
	362639-47-2	362639-48-3	362639-49-4	362639-50-7	362639-51-8
	362639-52-9	362639-53-0	362639-54-1	362639-55-2	362639-56-3
	362639-57-4	362639-58-5	362639-59-6	362639-60-9	362639-61-0
	362639-63-2	362639-64-3	362639-65-4	362639-66-5	362639-67-6
	362639-68-7	362639-69-8	362639-70-1	362639-71-2	362639-73-4
	362639-74-5	362639-75-6	362639-76-7	362639-77-8	362639-78-9
	362639-79-0	362639-80-3	362639-81-4	362639-82-5	362639-85-8
	362640-64-0	362640-65-1	500005-50-5	500005-52-7	500005-53-8
	500005-54-9	500005-55-0	500005-56-1	500005-57-2	500005-58-3
	500005-59-4	500005-64-1	500005-65-2	500005-69-6	500005-70-9



500005-71-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT	500005-72-1	500005-73-2	500005-74-3	500005-75-4	500005-76-5
	500005-77-6	500005-78-7	500005-79-8	500005-80-1	500005-81-2
	500005-82-3	500005-84-5	500005-85-6	500005-86-7	500005-87-8
	500005-88-9	500005-89-0	500005-90-3	500005-94-7	500005-95-8
	500005-97-0	500005-98-1	500005-99-2	500006-00-8	500006-01-9
	500006-02-0	500006-03-1	500006-04-2	500006-05-3	500006-06-4
	500006-07-5	500006-08-6	500006-09-7	500006-10-0	500006-11-1
	500006-12-2	500006-13-3	500006-14-4	500006-15-5	500006-16-6
	500006-17-7	500006-18-8	500006-19-9	500006-20-2	500006-21-3
	500006-22-4	500006-23-5	500006-24-6	500006-25-7	500006-26-8
	500006-27-9	500006-29-1	500006-30-4	500006-31-5	500006-32-6
	500006-33-7	500006-34-8	500006-35-9	500006-36-0	500006-37-1
	500006-39-3	500006-41-7	500006-43-9	500006-45-1	500006-47-3
	500006-49-5	500006-50-8	500006-51-9	500006-52-0	500006-53-1
	500006-54-2	500006-55-3	500006-56-4	500006-57-5	500006-58-6
	500006-59-7	500006-60-0	500006-61-1	500006-62-2	500006-63-3
	500006-64-4	500006-65-5	500006-66-6	500006-67-7	500006-68-8
	500006-69-9	500006-70-2	500006-71-3	500006-72-4	500006-73-5
	500006-74-6	500006-75-7	500006-76-8	500006-78-0	500006-79-1
	500006-80-4	500006-81-5	500006-82-6	500006-83-7	500006-84-8
	500006-85-9	500006-86-0	500006-87-1	500006-88-2	500006-89-3
	500006-90-6	500006-91-7	500006-92-8	500006-93-9	500006-94-0
	500006-95-1	500006-96-2	500006-97-3	500006-98-4	500006-99-5
	500007-00-1	500007-01-2	500007-02-3	500007-03-4	500007-04-5
	500007-05-6	500007-07-8	500007-08-9	500007-09-0	500007-10-3
	500007-11-4	500007-12-5	500007-13-6	500007-14-7	500007-15-8
	500007-16-9	500007-17-0	500007-20-5	500007-21-6	500007-23-8
	500007-25-0	500007-26-1	500007-27-2	500007-28-3	500007-29-4
	500007-30-7	500007-31-8	500007-32-9	500007-33-0	500007-34-1
	500007-35-2	500007-36-3	500007-37-4	500007-38-5	500007-39-6
	500007-40-9	500007-41-0	500007-42-1	500007-43-2	500007-44-3
	500007-45-4	500007-46-5	500007-47-6	500007-48-7	500007-49-8
	500007-50-1	500007-51-2	500007-53-4	500007-54-5	500007-55-6
	500007-56-7	500007-57-8	500007-58-9	500007-59-0	500007-60-3
	500007-61-4	500007-62-5	500007-63-6	500007-64-7	500007-65-8
	500007-67-0	500007-68-1	500007-69-2	500007-70-5	500007-71-6
	500007-72-7	500007-73-8	500007-74-9	500007-75-0	500007-76-1
	500007-77-2	500007-78-3	500007-80-7	500007-81-8	500007-82-9
	500007-83-0	500007-84-1	500007-85-2	500007-87-4	500007-88-5
	500007-89-6	500007-90-9	500007-91-0	500007-92-1	500007-93-2
	500007-94-3	500007-95-4	500007-96-5	500007-97-6	500008-02-6
	500008-03-7	500008-04-8	500008-05-9	500008-06-0	500008-07-1
	500008-10-6	500008-11-7	500008-12-8	500008-14-0	500008-18-4
	500008-19-5	500008-20-8	500008-21-9	500008-23-1	500008-25-3
	500008-27-5	500008-29-7	500008-30-0	500008-32-2	500008-34-4
	500008-35-5	500008-36-6	500008-37-7	500008-39-9	500008-41-3
	500008-42-4	500008-47-9	500008-49-1	500008-51-5	500008-53-7
	500008-54-8				

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT	500008-55-9	500008-56-0	500008-57-1	500008-58-2	500008-59-3
	500008-64-0	500008-66-2	500008-67-3	500008-68-4	500008-69-5
	500008-70-8	500008-71-9	500008-72-0	500008-73-1	500008-74-2
	500008-75-3	500008-76-4	500008-77-5	500008-79-7	500008-80-0
	500008-81-1	500008-82-2	500008-84-4	500008-85-5	500008-86-6
	500008-87-7	500008-88-8	500008-89-9	500008-90-2	500008-91-3
	500008-92-4	500008-93-5	500008-94-6	500008-95-7	500008-98-0
	500008-99-1	500009-00-7	500009-01-8	500009-03-0	500009-04-1
	500009-05-2	500009-06-3	500009-07-4	500009-08-5	500009-09-6
	500009-10-9	500009-11-0	500009-12-1	500009-14-3	500009-16-5
	500009-18-7	500009-20-1	500009-21-2	500009-23-4	500009-25-6

500009-26-7	500009-27-8	500009-28-9	500009-29-0	500009-30-3
500009-31-4	500009-32-5	500009-33-6	500009-34-7	500009-35-8
500009-36-9	500009-37-0	500009-38-1	500009-39-2	500009-40-5
500009-41-6	500009-42-7	500009-43-8	500009-44-9	500009-45-0
500009-46-1	500009-47-2	500009-49-4	500009-50-7	500009-51-8
500009-52-9	500009-53-0	500009-54-1	500009-55-2	500009-56-3
500009-57-4	500009-58-5	500009-59-6	500009-60-9	500009-61-0
500009-62-1	500009-65-4	500009-66-5	500009-67-6	500009-68-7
500009-69-8	500009-77-8	500009-78-9	500009-79-0	500009-82-5
500009-83-6	500009-84-7	500009-86-9	500009-87-0	500009-88-1
500009-89-2	500009-90-5	500009-91-6	500009-92-7	500009-93-8
500009-94-9	500009-95-0	500009-96-1	500009-97-2	500009-98-3
500009-99-4	500010-00-4	500010-01-5	500010-02-6	500010-03-7
500010-04-8	500010-05-9	500010-06-0	500010-07-1	500010-08-2
500010-09-3	500010-11-7	500010-12-8	500010-13-9	500010-14-0
500010-15-1	500010-16-2	500010-17-3	500010-18-4	500010-19-5
500010-20-8	500010-21-9	500010-22-0	500010-23-1	500010-25-3
500010-26-4	500010-27-5	500010-28-6	500010-29-7	500010-30-0
500010-31-1	500010-32-2	500010-33-3	500010-34-4	500010-35-5
500010-36-6	500010-37-7	500010-38-8	500010-39-9	500010-40-2
500010-41-3	500010-42-4	500010-43-5	500010-44-6	500010-45-7
500010-46-8	500010-47-9	500010-48-0	500010-49-1	500010-50-4
500010-51-5	500010-52-6	500010-53-7	500010-54-8	500010-55-9
500010-56-0	500010-57-1	500010-58-2	500010-59-3	500010-60-6
500010-61-7	500010-62-8	500010-63-9	500010-64-0	500010-65-1
500010-67-3	500010-68-4	500010-69-5	500010-70-8	500010-71-9
500010-72-0	500010-73-1	500010-74-2	500010-75-3	500010-76-4
500010-77-5	500010-79-7	500010-80-0	500010-81-1	500010-82-2
500010-83-3	500010-84-4	500010-85-5	500010-86-6	500010-87-7
500010-88-8	500010-89-9	500010-90-2	500010-91-3	500010-92-4
500010-93-5	500010-94-6	500010-95-7	500010-96-8	500010-97-9
500010-98-0	500010-99-1	500011-00-7	500011-01-8	500011-02-9
500011-04-1	500011-05-2	500011-06-3	500011-07-4	500011-08-5
500011-10-9	500011-11-0	500011-12-1	500011-13-2	500011-14-3
500011-15-4	500011-16-5	500011-17-6	500011-18-7	500011-19-8
500011-20-1	500011-21-2	500011-22-3	500011-23-4	500011-24-5
500011-25-6				

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT	500011-26-7	500011-27-8	500011-28-9	500011-29-0	500011-31-4
	500011-37-0	500011-38-1	500011-39-2	500011-40-5	500011-41-6
	500011-42-7	500011-43-8	500011-44-9	500011-45-0	500011-46-1
	500011-47-2	500011-48-3	500011-49-4	500011-50-7	500011-51-8
	500011-52-9	500011-53-0	500011-54-1	500011-55-2	500011-56-3
	500011-57-4	500011-58-5	500011-59-6	500011-60-9	500011-61-0
	500011-62-1	500011-63-2	500011-64-3	500011-80-3	503163-52-8
	503163-54-0	503163-56-2	503163-66-4		

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT	362639-39-2	362639-72-3	500005-60-7	500005-61-8	500005-62-9
	500005-63-0	500005-66-3	500005-67-4	500005-68-5	500005-83-4
	500005-91-4	500005-92-5	500005-93-6	500005-96-9	500006-28-0
	500007-18-1	500007-19-2	500007-22-7	500007-98-7	500007-99-8
	500008-13-9	500009-19-8	500009-22-3	500009-24-5	500009-70-1
	500009-71-2	500009-72-3	500009-73-4	500009-74-5	500009-75-6
	500009-76-7	500009-85-8	500010-66-2	500011-03-0	500011-09-6
	500011-30-3	500011-32-5	500011-33-6	500011-35-8	500011-36-9
	500011-65-4	500011-66-5	500011-67-6	500011-68-7	500011-69-8
	500011-70-1	500011-71-2	500011-72-3	500011-73-4	500011-74-5
	500011-75-6	500011-76-7	500011-77-8	500011-78-9	500011-79-0
	503163-58-4	503163-61-9	503163-64-2		

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT 52-68-6 56-38-2 57-13-6D, Urea, derivs. 60-51-5, Dimethoate  
 72-43-5 76-87-9, Fentin hydroxide 83-79-4 86-50-0, Azinphos-methyl  
 99-30-9, Dicloran 108-62-3 115-29-7 115-32-2 116-06-3 121-75-5  
 133-06-2, Captan 133-07-3, Folpet 137-26-8, Thiram 148-79-8,  
 Thiabendazole 298-00-0 298-02-2 333-41-5, Diazinon 510-15-6  
 732-11-6 900-95-8, Fentin acetate 944-22-9 950-37-8 1332-40-7,  
 Copper oxychloride 1563-66-2, Carbofuran 1897-45-6, Chlorothalonil  
 2079-00-7, Blasticidin-S 2227-17-0 2310-17-0 2312-35-8 2425-06-1,  
 Captafol 2439-01-2 2439-10-3, Dodine 2675-77-6, Chloroneb  
 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6585-53-1,  
 Ferric methanearsonate 6923-22-4 6980-18-3, Kasugamycin 7440-50-8D,  
 Copper, salts 7704-34-9, Sulfur, biological studies 8011-63-0,  
 Bordeaux mixture 8018-01-7, Mancozeb 10265-92-6 10605-21-7,  
 Carbendazim 11141-17-6, Azadirachtin 12427-38-2, Maneb  
 13071-79-9 13121-70-5 13171-21-6 13356-08-6 16752-77-5  
 17109-49-8, Edifenphos 17804-35-2, Benomyl 22224-92-6 22248-79-9  
 23103-98-2 23135-22-0 23564-05-8, Thiophanate-methyl 24579-73-5,  
 Propamocarb 25311-71-1 26087-47-8, Iprobenfos 27605-76-1,  
 Probenazole 30560-19-1, Acephate 33089-61-1 35367-38-5,  
 Diflubenzuron 35400-43-2 36734-19-7, Iprodione 39148-24-8,  
 Fosetylaluminum 39515-41-8 40596-69-8 41198-08-7  
 41814-78-2, Tricyclazole 43121-43-3, Triadimefon 50471-44-8,  
 Vinclozolin 50512-35-1, Isoprothiolane 50642-14-3, Validamycin  
 51630-58-1 52207-48-4 52315-07-8, Cypermethrin  
 52645-53-1 52918-63-5, Deltamethrin 53112-28-0,  
 Pyrimethanil 55219-65-3, Triadimenol 55814-41-0, Mepronil  
 57369-32-1, Pyroquilon 57646-30-7, Furalaxyl 57837-19-1, Metalaxyl  
 57966-95-7, Cymoxanil 58842-20-9 59669-26-0 60168-88-9, Fenarimol  
 60207-90-1, Propiconazole 62850-32-2 62865-36-5, Diclomezine  
 63837-33-2, Diofenolan 64628-44-0 66063-05-6, Pencycuron 66215-27-8,  
 Cyromazine 66230-04-4 66246-88-6, Penconazole 66332-96-5,  
 Flutolanil 66841-25-6 67306-00-7, Fenpropidin 67564-91-4,  
 Fenprophimorph 67747-09-5, Prochloraz 68085-85-8, Cyhalothrin  
 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5  
 70630-17-0, Mefenoxam 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin  
 72490-01-8 73989-17-0, Avermectin 74738-17-3, Fenpiclonil  
 76674-21-0, Flutriafol 77732-09-3, Oxadixyl 78587-05-0 79538-32-2  
 79622-59-6, Fluazinam 79983-71-4, Hexaconazole 80060-09-9,  
 Diafenthiuron 82657-04-3, Bifenthrin 83121-18-0 83657-18-5,  
 Diniconazole-M 83657-24-3, Diniconazole 84466-05-7, Amidoflumet  
 85509-19-9, Flusilazole 86479-06-3 88283-41-4, Pyrifenoxy 88671-89-0,  
 Myclobutanil 91465-08-6 94361-06-5, Cyproconazole 95737-68-1  
 96489-71-3 101463-69-8 102851-06-9 103055-07-8 104030-54-8,  
 Carpropamid 107534-96-3, Tebuconazole 110488-70-5, Dimethomorph  
 111988-49-9 112226-61-6 112281-77-3, Tetraconazole 112410-23-8  
 114369-43-6, Fenbuconazole 116255-48-2, Bromuconazole 116714-46-6  
 118134-30-8, Spiroxamine 119168-77-3 119446-68-3, Difenconazole  
 119791-41-2, Emamectin 120068-37-3 120928-09-8 121451-02-3  
 121552-61-2, Cyprodinil 122453-73-0, Chlorfenapyr 123312-89-0  
 123572-88-3, Furametpyr 124495-18-7, Quinoxifen 125116-23-6,  
 Metconazole 125225-28-7, Ipconazole 126448-41-7, Acibenzolar  
 130000-40-7, Thifluzamide 131341-86-1, Fludioxonil 131807-57-3,  
 Famoxadone 131860-33-8, Azoxystrobin 131983-72-7, Triticonazole  
 133408-50-1, Metominostrobin 133855-98-8, Epoxiconazole 134098-61-6  
 135410-20-7, Acetamiprid 136426-54-5, Fluquinconazole 138261-41-3  
 139920-32-4, Diclocymet 140923-17-7, SZX0722 141517-21-7,  
 Trifloxystrobin 143390-89-0, Kresoxim-methyl 143807-66-3,  
 Chromafenozide 149877-41-8, Bifenazate 149961-52-4, Dimoxystrobin  
 153233-91-1 153719-23-4 154025-04-4, Flumetover 156052-68-5, RH 7281  
 158062-67-0 161050-58-4 161326-34-7 168316-95-8, Spinosad  
 170015-32-4 173584-44-6 175013-18-0, Pyraclostrobin 178928-70-6,  
 Prothioconazole 179101-81-6 180409-60-3, Cyflufenamid 181587-01-9  
 188425-85-6, Nicobifen 189278-12-4, Proquinazid 210880-92-5,  
 Clothianidin 211867-47-9, SYP-L190 220899-03-6,  
 Metrafenone 223580-51-6, Tiadinil 248593-16-0, Orysastrobin  
 283594-90-1 361377-29-9, Fluoxastrobin

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(in pesticidal compns. for plant propagation material containing anthranilamides)

- IT 75-35-4D, Vinylidene chloride, polymers and copolymers 79-41-4D, Methacrylic acid, imide derivs. 79-41-4D, Acrylimide, polymers and copolymers, imide derivs. 8062-15-5, Lignosulfonate 9000-01-5, Gum arabic 9000-30-0, Guar gum 9000-36-6, Karaya gum 9000-65-1, Tragacanth gum 9002-89-5 9002-89-5D, Polyvinyl alcohol, copolymers 9003-09-2, Polyvinyl methyl ether 9003-20-7D, Polyvinyl acetate, derivs., copolymers 9003-39-8, Polyvinylpyrrolidone 9004-32-4, Carboxymethylcellulose 9004-34-6D, Cellulose, derivs. 9004-53-9, Dextrins 9004-57-3, Ethylcellulose 9004-64-2, Hydroxypropylcellulose 9004-67-5D, Methylcellulose, derivs. 9005-25-8D, Starch, derivs. 9005-32-7, Alginic acid 9010-98-4, Polychloroprene 9011-16-9 9012-76-4, Chitosan 9050-36-6, Malto-dextrin 25086-89-9 25322-68-3, Polyethylene oxide 26022-14-0, Polyhydroxyethyl acrylate 30811-69-9, Polyvinylacrylate 37353-59-6D, Hydroxymethylcellulose, derivs. 69670-80-0, Hydroxymethylpropylcellulose

RL: AGR (Agricultural use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(in pesticidal compns. for plant propagation material containing anthranilamides)

- IT 362637-53-4P 362637-70-5P 362638-30-0P 362639-62-1P 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide 500008-00-4P 500008-44-6P 500008-45-7P 500008-60-6P 500008-62-8P 50010-10-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of anthranilamide compds. as pesticides for plant propagation material)

- IT 129585-50-8P

RL: BYP (Byproduct); SPN (Synthetic preparation); PREP (Preparation)

(preparation of anthranilamide compds. as pesticides for plant propagation material)

- IT 74-89-5, Methylamine, reactions 75-03-6, Iodoethane 75-31-0, Isopropylamine, reactions 76-05-1, Trifluoroacetic acid, reactions 79-37-8, Oxalyl chloride 98-59-9, p-Toluenesulfonyl chloride 100-63-0, Phenylhydrazine 109-72-8, n-Butyllithium, reactions 112-02-7, Cetyltrimethylammonium chloride 121-44-8, Triethylamine, reactions 124-63-0, Methanesulfonyl chloride 128-09-6, N-Chlorosuccinimide 367-57-7 421-50-1, 1,1,1-Trifluoroacetone 503-38-8, Trichloromethyl chloroformate 541-41-3, Ethyl chloroformate 584-08-7, Potassium carbonate 630-25-1, 1,2-Dibromotetrachloroethane 1310-58-3, Potassium hydroxide, reactions 2402-77-9, 2,3-Dichloropyridine 4111-54-0, Lithium diisopropylamide 4389-45-1, 2-Amino-3-methylbenzoic acid 4755-77-5, Ethyl chlorooxacetate 5437-38-7, 3-Methyl-2-nitrobenzoic acid 6226-25-1, 2,2,2-Trifluoroethyl trifluoromethanesulfonate 7087-68-5, N,N-Diisopropylethylamine 7664-93-9, Sulfuric acid, reactions 7789-69-7, Phosphorus pentabromide 10025-87-3, Phosphorus oxychloride 10035-10-6, Hydrogen bromide, reactions 14521-80-3, 3-Bromopyrazole 20154-03-4, 3-Trifluoromethylpyrazole 22206-57-1, Tetrabutylammonium fluoride hydrate 22841-92-5 65753-47-1, 2-Chloro-3-trifluoromethylpyridine 66176-17-8, 3-Methylisatoic anhydride 133228-21-4 458543-79-8 499790-43-1 500011-81-4 500011-88-1 500011-94-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of anthranilamide compds. as pesticides for plant propagation material)

- IT 14339-33-4P, 3-Chloropyrazole 20776-67-4P, 2-Amino-3-methyl-5-chlorobenzoic acid 68289-10-1P, 2-Amino-3-methyl-N-(1-methylethyl)benzamide 120374-68-7P 128694-66-6P 362640-53-7P, 3-Methyl-N-(1-methylethyl)-2-nitrobenzamide 362640-58-2P 362640-59-3P 362640-60-6P 362640-61-7P 362640-62-8P 438450-38-5P, 3-Chloro-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]pyridine 438450-39-6P

438450-40-9P, 6-Chloro-2-[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]-8-methyl-4H-3,1-benzoxazin-4-one 458543-77-6P

458543-78-7P 499790-45-3P 499790-46-4P 500011-82-5P 500011-83-6P

500011-84-7P 500011-85-8P 500011-86-9P 500011-87-0P 500011-89-2P

500011-90-5P 500011-91-6P 500011-92-7P 500011-95-0P 500011-96-1P

500011-97-2P 500011-98-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of anthranilamide compds. as pesticides for plant propagation material)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Du Pont; WO 0170671 A 2001 HCAPLUS

(2) Mitsubishi Chem Ind; EP 0289879 A 1988 HCAPLUS

IT 11141-17-6, Azadirachtin 39515-41-8 51630-58-1

52315-07-8, Cypermethrin 52645-53-1 52918-63-5

, Deltamethrin 66230-04-4 68085-85-8, Cyhalothrin

68359-37-5, Cyfluthrin 82657-04-3, Bifenthrin

91465-08-6 120068-37-3 220899-03-6,

Metrafenone

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)

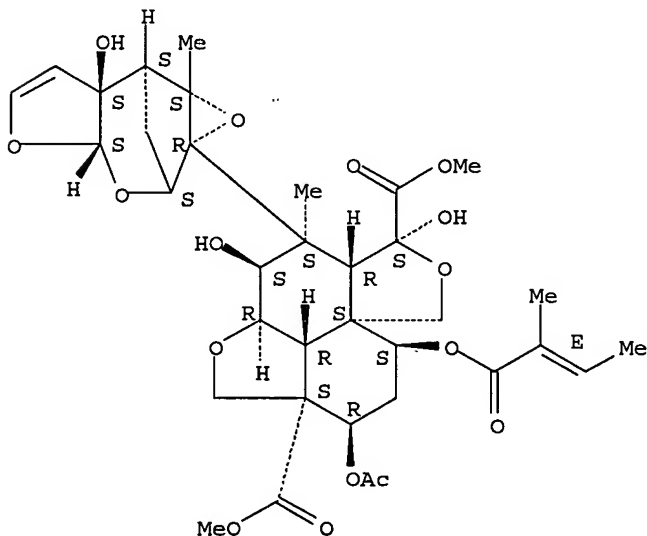
(in pesticidal compns. for plant propagation material containing anthranilamides)

RN 11141-17-6 HCAPLUS

CN 1H,7H-Naphtho[1,8-bc:4,4a-c']difuran-5,10a(8H)-dicarboxylic acid, 10-(acetyloxy)octahydro-3,5-dihydroxy-4-methyl-8-[[[(2E)-2-methyl-1-oxo-2-butenyl]oxy]-4-[(1aR,2S,3aS,6aS,7S,7aS)-3a,6a,7,7a-tetrahydro-6a-hydroxy-7a-methyl-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-, dimethyl ester, (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR) - (9CI) (CA INDEX NAME)

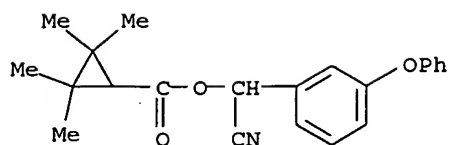
Absolute stereochemistry.

Double bond geometry as shown.

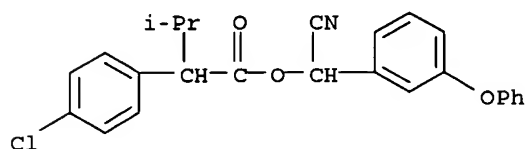


RN 39515-41-8 HCAPLUS

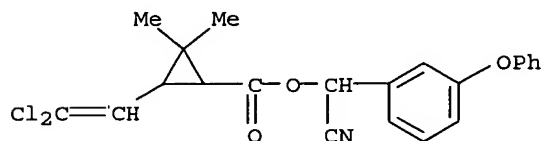
CN Cyclopropanecarboxylic acid, 2,2,3,3-tetramethyl-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



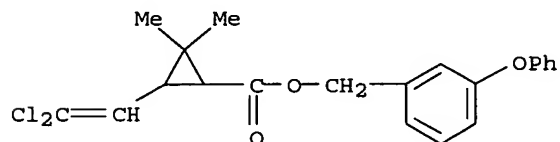
RN 51630-58-1 HCAPLUS  
 CN Benzeneacetic acid, 4-chloro- $\alpha$ -(1-methylethyl)-,  
 cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



RN 52315-07-8 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,  
 cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)

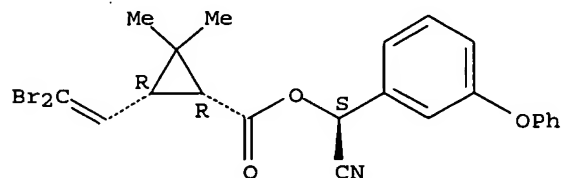


RN 52645-53-1 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-,  
 (3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



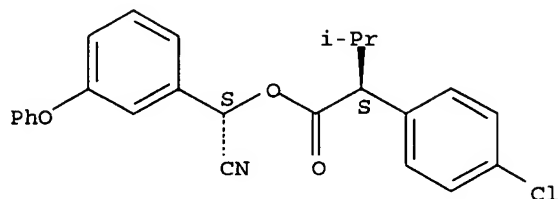
RN 52918-63-5 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-,  
 (S)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

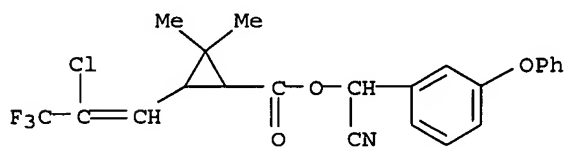


RN 66230-04-4 HCAPLUS  
 CN Benzeneacetic acid, 4-chloro- $\alpha$ -(1-methylethyl)-,  
 (S)-cyano(3-phenoxyphenyl)methyl ester, ( $\alpha$ S)- (9CI) (CA INDEX NAME)

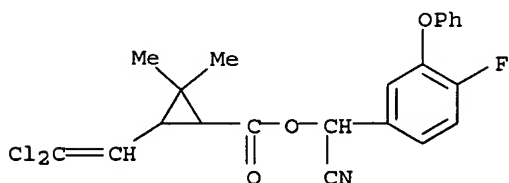
Absolute stereochemistry. Rotation (-).



RN 68085-85-8 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)

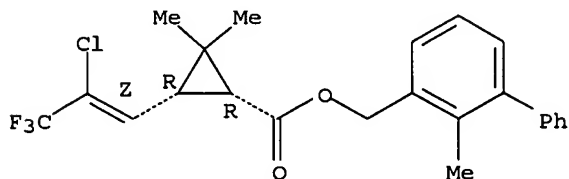


RN 68359-37-5 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(4-fluoro-3-phenoxyphenyl)methyl ester (9CI) (CA INDEX NAME)



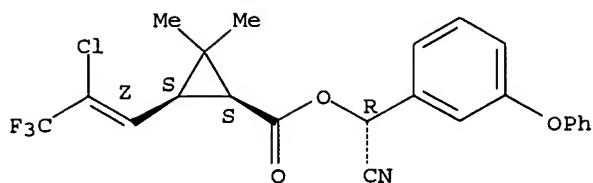
RN 82657-04-3 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (2-methyl[1,1'-biphenyl]-3-yl)methyl ester; (1R,3R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.



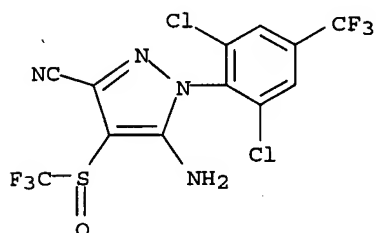
RN 91465-08-6 HCAPLUS  
 CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1S,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.



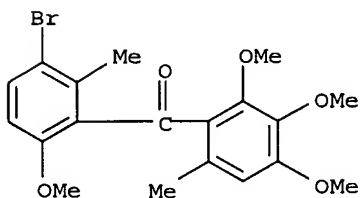
RN 120068-37-3 HCAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L50 ANSWER 8 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:797993 HCAPLUS

DN 135:314876

ED Entered STN: 02 Nov 2001

TI Synergistic fungicidal compositions containing benzophenone derivatives and azoxystrobin

IN Leadbitter, Neil

PA Syngenta Participations A.-G., Switz.

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N043-54

ICS A01N043-54; A01N037-02; A01N035-04

CC 5-2 (Agrochemical Bioregulators)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001080643	A1	20011101	WO 2001-EP4624	20010424
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,				

Search done by Ross Schipe



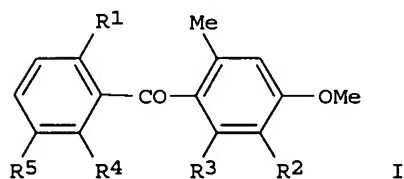
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 VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
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 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 EP 1278414 A1 20030129 EP 2001-940360 20010424  
 EP 1278414 B1 20031217  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 BR 2001010242 A 20030701 BR 2001-10242 20010424  
 JP 2003531155 T2 20031021 JP 2001-577752 20010424  
 AT 256393 E 20040115 AT 2001-940360 20010424  
 ES 2213117 T3 20040816 ES 2001-1940360 20010424  
 US 2003166669 A1 20030904 US 2003-258513 20030311  
 US 6790851 B2 20040914  
 PRAI GB 2000-10198 A 20000426  
 WO 2001-EP4624 W 20010424

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2001080643	ICM	A01N043-54
	ICS	A01N043-54; A01N037-02; A01N035-04
WO 2001080643	ECLA	A01N043/54+M
US 2003166669	NCL	514/269.000
	ECLA	A01N043/54+M

OS MARPAT 135:314876

GI



AB Synergistic fungicidal compns. for combating phytopathogenic diseases on crop plants comprise (a) a benzophenone of I (R1 = methoxy, Me, hydroxy, acetoxy, or pivaloyloxy; R2 = C1-C4 alkoxy or 2-halogenbenzyloxy; R3 = C1-C4 alkoxy; R4 = C1-C4 alkyl, halo, or trifluoromethyl; R5 = H, halo, C1-C4 alkoxy, trifluoromethyl, or nitro) in association with (b) azoxystrobin.

ST benzophenone deriv azoxystrobin mixt synergistic fungicide

## IT Fungicides

(synergistic; synergistic fungicidal compns. containing benzophenone derivs. and azoxystrobin)

IT 131860-33-8D, Azoxystrobin, mixts. with benzophenone derivs.

368872-60-0 368872-61-1 368872-62-2 368872-63-3

368872-64-4 368872-65-5 368872-66-6 368872-67-7 368872-68-8

368872-69-9 368872-70-2 368872-71-3

368872-72-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal compns. containing)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

## RE

(1) American Cyanamid Co; EP 0897904 A 1999 HCAPLUS

(2) American Cyanamid Co; EP 0899255 A 1999 HCAPLUS

(3) American Cyanamid Co; EP 0933025 A 1999 HCAPLUS

(4) American Cyanamid Co; EP 1023834 A 2000 HCAPLUS

(5) Novartis Erfind Verwalt GmbH; WO 0076317 A 2000 HCAPLUS

IT 368872-60-0 368872-70-2 368872-71-3

368872-72-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal compns. containing)

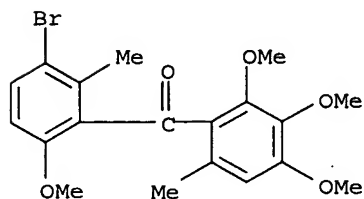
RN 368872-60-0 HCAPLUS

CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- $\alpha$ -(methoxymethylene)-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6

CMF C19 H21 Br O5

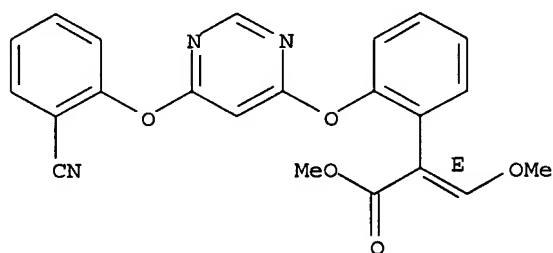


CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

Double bond geometry as shown.



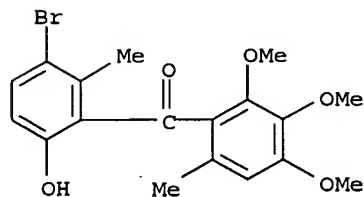
RN 368872-70-2 HCAPLUS

CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- $\alpha$ -(methoxymethylene)-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-hydroxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 252955-10-5

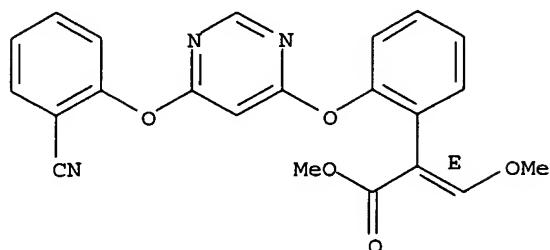
CMF C18 H19 Br O5



CM 2

CRN 131860-33-8  
CMF C22 H17 N3 O5

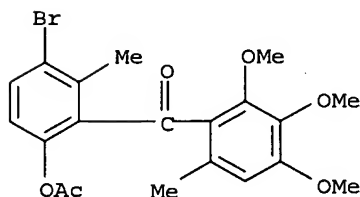
Double bond geometry as shown.



RN 368872-71-3 HCAPLUS  
CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-α-(methoxymethylene)-, methyl ester, (αE)-, mixt. with [6-(acetyloxy)-3-bromo-2-methylphenyl](2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

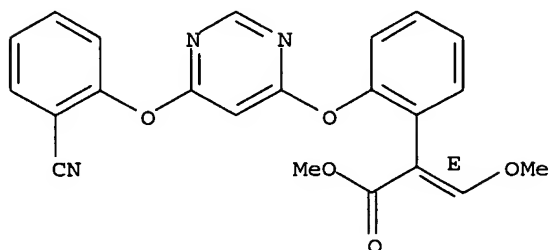
CRN 252955-09-2  
CMF C20 H21 Br O6



CM 2

CRN 131860-33-8  
CMF C22 H17 N3 O5

Double bond geometry as shown.

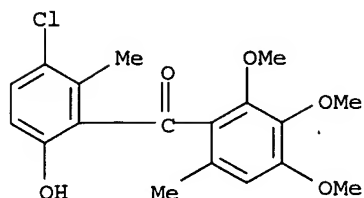


RN 368872-72-4 HCAPLUS  
CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-α-(methoxymethylene)-, methyl ester, (αE)-, mixt. with (3-chloro-6-hydroxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 252955-12-7

CMF C18 H19 Cl O5

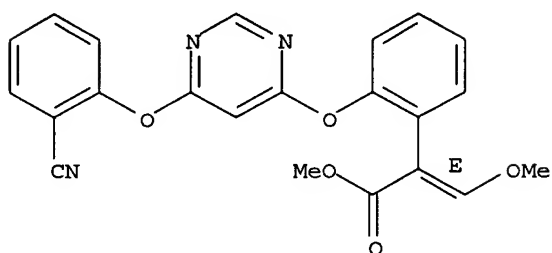


CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

Double bond geometry as shown.



L50 ANSWER 9 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:797992 HCAPLUS

DN 135:328375

ED Entered STN: 02 Nov 2001

TI Synergistic fungicidal mixtures of (E,E)- $\alpha$ -(Methoxyimino)-2-[[[1-(3-trifluoromethylphenyl)ethylidene]amino]oxy]methyl]benzenacetic acid Me ester with benzophenones

IN Leadbitter, Neil

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N037-50

ICS A01N037-50; A01N037-02; A01N035-04

CC 5-2 (Agrochemical Bioregulators)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001080640	A1	20011101	WO 2001-EP4228	20010412
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

Search done by Ross Schipe

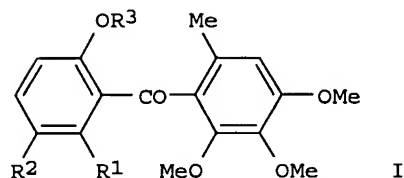
PRAI GB 2000-10200

A

20000426

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2001080640	ICM	A01N037-50
	ICS	A01N037-50; A01N037-02; A01N035-04
WO 2001080640	ECLA	A01N037/50+M
OS MARPAT 135:328375		
GI		



AB Mixts. of (E,E)- $\alpha$ -(Methoxyimino)-2-[[[1-(3-trifluoromethylphenyl)ethylidene]amino]oxy]methyl]benzenacetic acid Me ester with benzophenones I (R1 = Cl, Me; R2 = H, Br, Cl, CF3; R3 = H, acetyl, pivaloyl) are used as synergistic fungicides for treatment of phytopathogenic diseases of crop plants.

ST benzenacetate deriv benzophenone mixt synergistic fungicide

## IT Fungicides

(synergistic; synergistic fungicidal mixts. of {(E,E)- $\alpha$ -(Methoxyimino)-2-[[[1-(phenyl)ethylidene]amino]oxy]methyl]benzenacetic acid Me ester with benzophenones})

IT 141517-21-7D, mixts. with benzophenones 369374-47-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal composition containing)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
RE

- (1) American Cyanamid Co; EP 0967196 A 1999 HCAPLUS
- (2) American Cyanamid Co; EP 1023834 A 2000 HCAPLUS
- (3) Ciba Geigy Ag; EP 0460575 A 1991 HCAPLUS
- (4) Novartis Erfind Verwalt Gmbh; WO 0072677 A 2000 HCAPLUS
- (5) Novartis Erfind Verwalt Gmbh; WO 0072678 A 2000 HCAPLUS

IT 369374-47-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal composition containing)

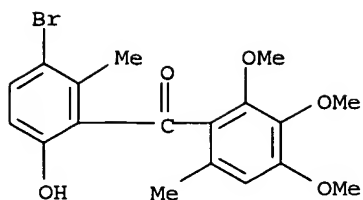
RN 369374-47-0 HCAPLUS

CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[[[1-(3-(trifluoromethyl)phenyl)ethylidene]amino]oxy]methyl]-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-hydroxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 252955-10-5

CMF C18 H19 Br O5

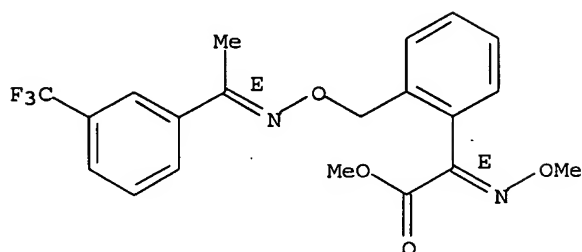


CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



L50 ANSWER 10 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:900389 HCAPLUS  
 DN 134:38252  
 ED Entered STN: 22 Dec 2000  
 TI Synergistic fungicidal combinations of benzophenones with strobilurins, cyanoimidazoles, and carbonic acid amides  
 IN Dalton, Ian Paul  
 PA Novartis Ag, Switz.; Novartis-Erfindungen Verwaltungsgesellschaft M.B.H.  
 SO PCT Int. Appl., 25 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A01N035-04  
 ICS A01N035-04; A01N047-24; A01N047-12; A01N043-88; A01N043-653;  
 A01N043-50; A01N043-40; A01N037-24; A01N037-20  
 CC 5-2 (Agrochemical Bioregulators)  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000076317	A1	20001221	WO 2000-EP5433	20000613
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1185173	A1	20020313	EP 2000-951283	20000613
EP 1185173	B1	20030528		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000011615	A	20020423	BR 2000-11615	20000613

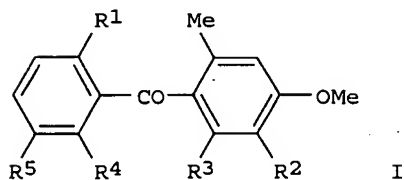
Search done by Ross Schipe

	JP 2003501448	T2	20030114	JP 2001-502673	20000613
	AT 241268	E	20030615	AT 2000-951283	20000613
	PT 1185173	T	20031031	PT 2000-951283	20000613
	ES 2200905	T3	20040316	ES 2000-951283	20000613
	US 2002107246	A1	20020808	US 2001-997607	20011129
	US 6689776	B2	20040210		
PRAI	GB 1999-13787	A	19990614		
	GB 1999-13789	A	19990614		
	GB 1999-13792	A	19990614		
	GB 1999-13794	A	19990614		
	GB 1999-13796	A	19990614		
	GB 1999-13798	A	19990614		
	GB 1999-13803	A	19990614		
	GB 1999-13805	A	19990614		
	GB 1999-13807	A	19990614		
	GB 1999-13808	A	19990614		
	GB 1999-13810	A	19990614		
	GB 1999-13812	A	19990614		
	GB 1999-13813	A	19990614		
	GB 1999-13814	A	19990614		
	GB 1999-13816	A	19990614		
	GB 1999-13817	A	19990614		
	GB 1999-13818	A	19990614		
	GB 1999-13820	A	19990614		
	GB 1999-13822	A	19990614		
	GB 1999-13824	A	19990614		
	GB 1999-13826	A	19990614		
	GB 1999-13827	A	19990614		
	WO 2000-EP5433	W	20000613		

## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000076317	ICM	A01N035-04
	ICS	A01N035-04; A01N047-24; A01N047-12; A01N043-88; A01N043-653; A01N043-50; A01N043-40; A01N037-24; A01N037-20
WO 2000076317	ECLA	A01N035/04+M
US 2002107246	NCL	514/229.200
	ECLA	A01N035/04+M

GI



AB The invention relates to a method of combating phytopathogenic diseases on crop plants which comprises applying to the crop plants or the locus thereof being infested with said phytopathogenic disease an effective amount of a combination of a benzophenone I (R1 = methoxy, Me; R2 = C1-C4alkoxy, 2-halogenbenzyloxy; R3 = C1-C4alkoxy; R4 = C1-C4alkyl, halo, or trifluoromethyl; R5 = H, halo, C1-C4alkoxy, trifluoromethyl, or nitro) in association with a compound selected from strobilurins, cyanoimidazoles, and carbonic acid amides.

ST fungicide synergistic benzophenone strobilurin cyanoimidazole carbonic acid amide

IT Fungicides

(synergistic; combinations of benzophenones with strobilurins,

cyanoimidazoles, and carbonic acid amides)

IT 117428-22-5D, Picoxystrobin, mixts. with benzophenones 120116-88-3D, IKF 916, mixts. with benzophenones 126833-17-8D, Fenhexamid, mixts. with benzophenones 140923-17-7D, Iprovalicarb, mixts. with benzophenones 156052-68-5D, RH 7281, mixts. with benzophenones 161326-34-7D, Fenamidone, mixts. with benzophenones 175013-18-0D, mixts. with benzophenones 185336-79-2D, mixts. with benzophenones 185949-88-6D, mixts. with benzophenones 193740-76-0D, mixts. with benzophenones 220898-62-4D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220898-85-1D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220899-03-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220899-11-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220899-25-2D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-12-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-62-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-68-5D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-85-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-88-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-13-4D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-14-5D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-15-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-16-7D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-17-8D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-55-4D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-56-5D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-57-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-58-7D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-59-8D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-60-1D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 221051-61-2D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 313053-52-0D, mixts. with benzophenones

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(in synergistic fungicidal combinations)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) American Cyanamid Co; EP 0897904 A 1999 HCAPLUS

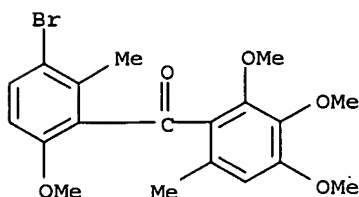
(2) American Cyanamid Co; EP 0899255 A 1999 HCAPLUS

IT 220899-03-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-12-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-62-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-68-5D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(in synergistic fungicidal combinations)

RN 220899-03-6 HCAPLUS

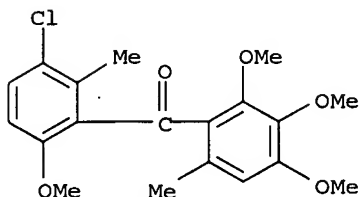
CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



RN 220900-12-9 HCAPLUS

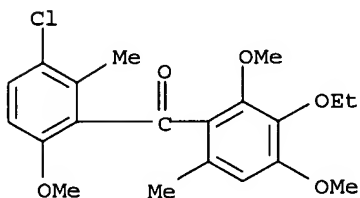


CN Methanone, (3-chloro-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



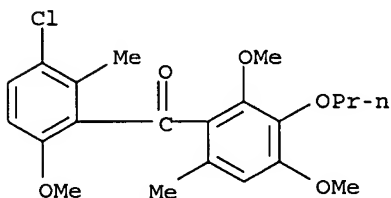
RN 220900-62-9 HCAPLUS

CN Methanone, (3-chloro-6-methoxy-2-methylphenyl) (3-ethoxy-2,4-dimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



RN 220900-68-5 HCAPLUS

CN Methanone, (3-chloro-6-methoxy-2-methylphenyl) (2,4-dimethoxy-6-methyl-3-propoxyphenyl)- (9CI) (CA INDEX NAME)



L50 ANSWER 11 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:861422 HCAPLUS

DN 134:14301

ED Entered STN: 08 Dec 2000

TI Synergistic fungicidal compositions

IN Leadbitter, Neil

PA Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N037-50

ICS A01N037-50; A01N035-04

CC 5-2 (Agrochemical Bioregulators)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000072677	A1	20001207	WO 2000-EP4741	20000524
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,				

Search done by Ross Schipe

ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,  
 SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,  
 ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 EP 1189508 A1 20020327 EP 2000-943734 20000524  
 EP 1189508 B1 20031008  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO  
 ES 2208355 T3 20040616 ES 2000-943734 20000524  
 ZA 2001008893 A 20020823 ZA 2001-8893 20011029  
 US 6472428 B1 20021029 US 2002-979330 20020212  
 PRAI GB 1999-12219 A 19990526  
 WO 2000-EP4741 W 20000524

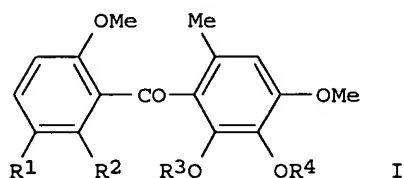
## CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000072677	ICM	A01N037-50
	ICS	A01N037-50; A01N035-04
WO 2000072677	ECLA	A01N037/50+M
US 6472428	NCL	514/539.000; 514/687.000
	ECLA	A01N037/50+M

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OS MARPAT 134:14301

GI



AB The invention relates to synergistic fungicidal combinations comprising (E,E)- $\alpha$ -(methoxyimino)-2-[[[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]benzeneacetic acid Me ester in association with a benzophenone I (R1 = H, halo, C1-5 alkyl or CF3; R2 = halo, C1-5 alkyl or CF3; R3 = C1-5 alkyl or optionally substituted benzyl; R4 = C1-5 alkyl) which are particularly effective in combating or preventing fungal diseases of crop plants.

ST synergism fungicide compn benzophenone deriv

IT Fungicides

(synergistic; compns. containing benzophenone derivative)

IT 309752-56-5 309752-57-6 309752-58-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)

IT 141517-21-7D, mixts. with benzophenone derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) American Cyanamid Company; EP 0897904 A 1999 HCAPLUS

(2) Ciba-Geigy A-G Switz; EP 0460575 A 1991 HCAPLUS

IT 309752-56-5 309752-57-6 309752-58-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)

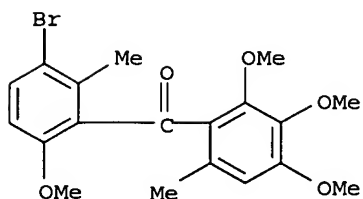
RN 309752-56-5 HCAPLUS

CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6

CMF C19 H21 Br O5

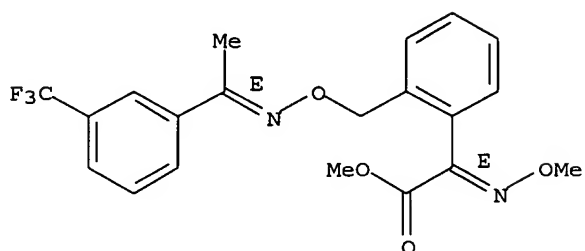


CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



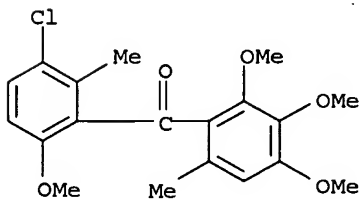
RN 309752-57-6 HCAPLUS

CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[[[ $(E)$ ]-[1-[3-(trifluoromethyl)phenyl]ethyldene]amino]oxy]methyl]-, methyl ester, ( $\alpha E$ )-, mixt. with (3-chloro-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220900-12-9

CMF C19 H21 Cl O5



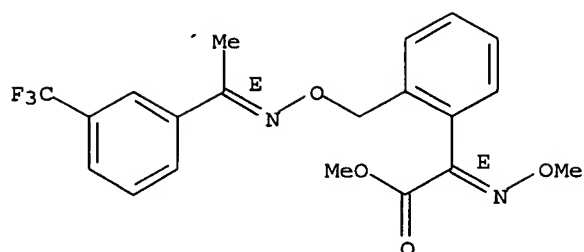
CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.

Search done by Ross Schipe



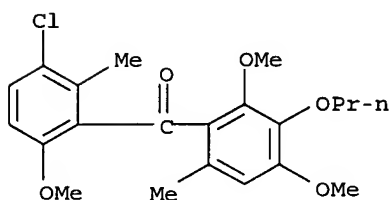
RN 309752-58-7 HCAPLUS

CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, ( $\alpha$ E)-, mixt. with (3-chloro-6-methoxy-2-methylphenyl)(2,4-dimethoxy-6-methyl-3-propoxyphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220900-68-5

CMF C21 H25 Cl O5

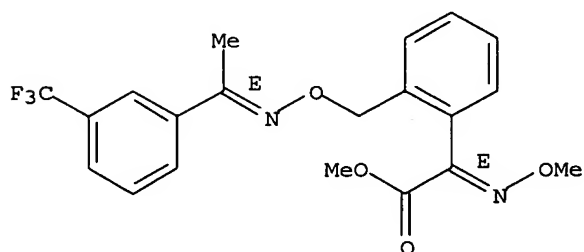


CM 2

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



L50 ANSWER 12 OF 12 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:553194 HCAPLUS

DN 133:146282

ED Entered STN: 11 Aug 2000

TI Stable non-aqueous fungicidal or herbicidal emulsifiable concentrate for crop protection containing defoaming agents

IN Aven, Michael; Schmidt, Friedrich

PA American Cyanamid Co., USA

SO Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW

Search done by Ross Schipe

DT Patent  
 LA English  
 IC ICM A01N025-02  
 CC 5-3 (Agrochemical Bioregulators)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1025757	A1	20000809	EP 2000-300673	20000128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	US 1999-240418	A	19990129		

## CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	EP 1025757	ICM	A01N025-02
	EP 1025757	ECLA	A01N025/02
AB	Stable non-aqueous emulsifiable concentrate formulation for crop protection comprises at least one fungicide or herbicide, at least one non-polar organic solvent, optionally, at least one polar aprotic cosolvent, an emulsifying surfactant system enabling an oil-in-water emulsion to be formed when the formulation is added to water, and at least one defoaming or foam breaking agent selected from the group consisting of perfluoroalkylphosphonic acids, perfluoroalkylphosphinic acids and perfluoroaliph. polymeric esters.		
ST	fungicide herbicide emulsion conc defoaming		
IT	Alcohols, uses RL: MOA (Modifier or additive use); USES (Uses) (C9-11, ethoxylated; non-ionic surfactant in stable fungicidal or herbicidal emulsifiable concentrate)		
IT	Emulsions Emulsions (agrochem.; stable fungicidal or herbicidal emulsifiable concentrate containing defoaming agents)		
IT	Carboxylic acids, uses RL: MOA (Modifier or additive use); USES (Uses) (dicarboxylic, C4-6, di-Me esters; co-solvent in stable fungicidal or herbicidal emulsifiable concentrate)		
IT	Agrochemical formulations Agrochemical formulations (emulsions; stable fungicidal or herbicidal emulsifiable concentrate containing defoaming agents)		
IT	Canola oil RL: MOA (Modifier or additive use); USES (Uses) (ethoxylated, Eumulgin CO 3373; non-ionic surfactant in stable fungicidal or herbicidal emulsifiable concentrate)		
IT	Castor oil RL: MOA (Modifier or additive use); USES (Uses) (ethoxylated, Mergital EL 33, Ukanil 2507; co-solvent in stable fungicidal or herbicidal emulsifiable concentrate)		
IT	Solvent naphtha (solvent in stable fungicidal or herbicidal emulsifiable concentrate)		
IT	Aromatic hydrocarbons, uses Paraffin oils RL: MOA (Modifier or additive use); USES (Uses) (solvent in stable fungicidal or herbicidal emulsifiable concentrate)		
IT	Fungicides (stable fungicidal emulsifiable concentrate containing defoaming agents)		
IT	Pesticide formulations (stable fungicidal or herbicidal emulsifiable concentrate containing defoaming agents)		
IT	Antifoaming agents Herbicides (stable herbicidal emulsifiable concentrate containing defoaming agents)		
IT	617-51-6, Lactic acid isopropyl ester RL: MOA (Modifier or additive use); USES (Uses) (Purasolv IPL; solvent in stable fungicidal or herbicidal emulsifiable		

concentrate)

IT 9016-00-6, Rhodorsil 454  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (Rhodorsil 454; antifoaming agent in stable fungicidal or herbicidal emulsifiable concentrate)

IT 1331-61-9, Rhodacal 2283 26264-06-2, Rhodacal 70b  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (anionic surfactant in stable fungicidal or herbicidal emulsifiable concentrate)

IT 2991-51-7, Fluorad FC-129 11114-17-3, Fluorad FC-430 67906-42-7, Fluorad FC-120 68958-61-2, Fluorad FC-171 135506-92-2, Fluowet pp 141615-38-5, Fluowet pl80 287716-37-4, Rhodorsil 467  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (antifoaming agent in stable fungicidal or herbicidal emulsifiable concentrate)

IT 96-48-0,  $\gamma$ -Butyrolactone 110-71-4, Ethylene glycol, dimethyl ether 6837-24-7, N-Cyclohexylpyrrolidone  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (co-solvent in stable fungicidal or herbicidal emulsifiable concentrate)

IT 110488-70-5, Dimethomorph 125116-23-6, Metconazole 220899-03-6  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (fungicide in stable emulsifiable concentrate)

IT 29450-45-1 40487-42-1, Pendimethalin 137641-05-5, Picolinafen  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicide in stable emulsifiable concentrate)

IT 2687-94-7 2687-96-9, Agsol Ex12 32440-50-9, Agrimer al25 140175-09-3, Atplus mba 11-7 286940-99-6  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (non-ionic surfactant in stable fungicidal or herbicidal emulsifiable concentrate)

IT 26264-05-1, Atlox 3300b 128002-46-0, Atlox 4855b  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (surfactant in stable fungicidal or herbicidal emulsifiable concentrate)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

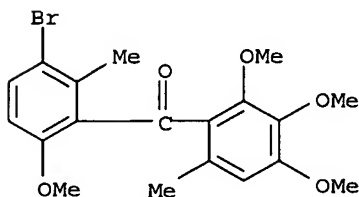
RE

(1) American Cyanamid Co; EP 0727141 A 1996 HCAPLUS  
 (2) American Cyanamid Co; EP 0878128 A 1998 HCAPLUS  
 (3) Ciba Geigy Ag; WO 9800008 A 1998 HCAPLUS  
 (4) Hoechst Ag; EP 0407874 A 1991 HCAPLUS  
 (5) Shell Int Research; EP 0447004 A 1991 HCAPLUS

IT 220899-03-6  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (fungicide in stable emulsifiable concentrate)

RN 220899-03-6 HCAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



=> b uspatall  
 FILE 'USPATFULL' ENTERED AT 08:28:14 ON 23 AUG 2005  
 CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 08:28:14 ON 23 AUG 2005  
 CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d bib abs fhitr 166 tot

L66 ANSWER 1 OF 1 USPATFULL on STN  
 AN 2004:83337 USPATFULL  
 TI Fungicidal use  
 IN **Gewehr, Markus**, Kastellaun, GERMANY, FEDERAL REPUBLIC OF  
**Rose, Ingo**, Mannheim, GERMANY, FEDERAL REPUBLIC OF  
**Muller, Bernd**, Frankenthal, GERMANY, FEDERAL REPUBLIC OF  
**Ammermann, Eberhard**, Heppenheim, GERMANY, FEDERAL REPUBLIC OF  
**Orth, Ann**, Langhorne, PA, UNITED STATES  
**Cotter, Henry Van Tuyl**, Raleigh, NC, UNITED STATES  
 PI US 2004063793 A1 20040401  
 AI US 2003-616950 A1 20030711 (10)  
 PRAI US 2002-394932P 20020711 (60)  
 DT Utility  
 FS APPLICATION  
 LREP **Herbert B. Keil**, KEIL & WEINKAUF, 1350 Connecticut Ave., N.W.,  
 Washington, DC, 20036  
 CLMN Number of Claims: 3  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 352  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The use of benzophenones of the formula I ##STR1##

in which

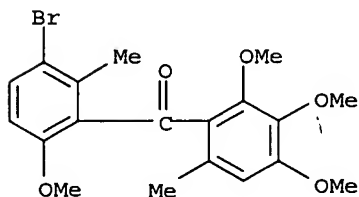
R is hydrogen or C.sub.1-C.sub.4-alkyl and

Hal is fluorine, chlorine or bromine

for controlling *Pseudocercospora herpotrichoides*  
 in crop plants is described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220899-03-6  
 (as fungicide for controlling *Pseudocercospora*  
*herpotrichoides* in crops)  
 RN 220899-03-6 USPATFULL  
 CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-  
 methylphenyl)- (9CI) (CA INDEX NAME)



=> d bib abs hitrn fhitr 167 tot

L67 ANSWER 1 OF 7 USPATFULL on STN  
 AN 2005:137635 USPATFULL  
 TI Micronized wood preservative formulations  
 IN **Leach, Robert M.**, Grand Island, NY, UNITED STATES  
**Zhang, Jun**, Getzville, NY, UNITED STATES  
 PI US 2005118280 A1 20050602  
 AI US 2004-970446 A1 20041021 (10)  
 RLI Continuation-in-part of Ser. No. US 2004-821326, filed on 9 Apr 2004,

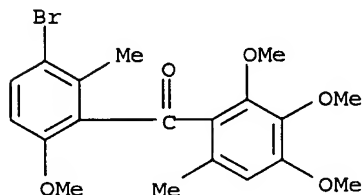
PENDING  
 PRAI US 2004-568485P 20040506 (60)  
 US 2003-461547P 20030409 (60)  
 US 2003-518994P 20031111 (60)  
 DT Utility  
 FS APPLICATION  
 LREP HODGSON RUSS LLP, ONE M & T PLAZA, SUITE 2000, BUFFALO, NY, 14203-2391,  
 US  
 CLMN Number of Claims: 19  
 ECL Exemplary Claim: 1  
 DRWN 8 Drawing Page(s)  
 LN.CNT 998

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides wood preservative compositions comprising micronized particles. In one embodiment, the composition comprises dispersions of micronized metal or metal compounds. In another embodiment, the wood preservative composition comprises an inorganic component comprising a metal or metal compound and organic biocide. When the composition comprises an inorganic component and an organic biocide, the inorganic component or the organic biocide or both are present as micronized particles. When compositions of the present invention are used for preservation of wood, the micronized particles can be observed as uniformly distributed within the wood and there is minimal leaching of the metal and biocide from the wood.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220899-03-6, **Metrafenone**  
 (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)  
 IT 220899-03-6, **Metrafenone**  
 (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)  
 RN 220899-03-6 USPATFULL  
 CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L67 ANSWER 2 OF 7 USPATFULL on STN  
 AN 2004:268380 USPATFULL  
 TI Anthranilamide arthropodicide treatment  
 IN Berger, Richard A, Claymont, DE, UNITED STATES  
 Flexner, John Lindsey, Landenberg, PA, UNITED STATES  
 PI US 2004209923 A1 20041021  
 AI US 2004-485125 A1 20040126 (10)  
 WO 2002-US30302 20020910  
 PRAI US 2001-323941P 20010921 (60)  
 DT Utility  
 FS APPLICATION  
 LREP Linda A Birch, E I du Pont de Nemours and Company, Legal-Patents,  
 Wilmington, DE, 19898  
 CLMN Number of Claims: 23  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 6453  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Search done by Ross Schipe



AB This invention pertains to methods for protecting a propagule or a plant grown therefrom from invertebrate pests comprising contacting the propagule or the locus of the propagule with a biologically effective amount of a compound of Formula I: its N-oxide or an agriculturally suitable salt thereof wherein A and B and R<sup>sup.1</sup> through R<sup>sup.8</sup> are as defined in the disclosure. This invention also relates to propagules treated with a compound of Formula I and compositions comprising a Formula I compound for coating propagules. ##STR1##

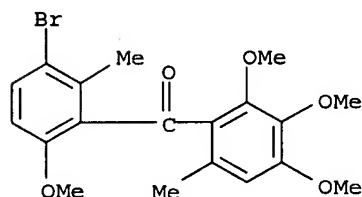
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220899-03-6, Metrafenone  
(in pesticidal compns. for plant propagation material containing anthranilamides)

IT 220899-03-6, Metrafenone  
(in pesticidal compns. for plant propagation material containing anthranilamides)

RN 220899-03-6 USPATFULL

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L67 ANSWER 3 OF 7 USPATFULL on STN

AN 2003:238511 USPATFULL

TI Fungicidal compositions

IN Leadbitter, Neil, Berkshire, UNITED KINGDOM

PI US 2003166669 A1 20030904

US 6790851 B2 20040914

AI US 2003-258513 A1 20030311 (10)

WO 2001-EP4624 20010424

PRAI GB 2000-10198 20000426

DT Utility

FS APPLICATION

LREP SYNGENTA CROP PROTECTION, INC., PATENT AND TRADEMARK DEPARTMENT, 410 SWING ROAD, GREENSBORO, NC, 27409

CLMN Number of Claims: 6

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 542

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention comprises a method of combating phytopathogenic diseases on crop plants which comprises applying to the crop plants or the locus thereof being infested with said phytopathogenic disease an effective amount of a combination of

a) a benzophenone of formula I ##STR1##

wherein

R<sup>sub.1</sup> is methoxy, methyl, hydroxy, acetoxy or pivaloyloxy,

R<sup>sub.2</sup> is C<sup>sub.1</sup>-C<sup>sub.4</sup>alkoxy or 2-halogenbenzyloxy,

R<sup>sub.3</sup> is C<sup>sub.1</sup>-C<sup>sub.4</sup>alkoxy,

R<sup>sub.4</sup> is C<sup>sub.1</sup>-C<sup>sub.4</sup>alkyl, halogen or trifluoromethyl, and

R.sub.5 is hydrogen, halogen, C.sub.1-C.sub.4alkoxy, trifluoromethyl or nitro;

in association with

b) the strobilurin of formula II ##STR2##

and a composition comprising fungicidally effective amounts of components I and II. and a composition

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 368872-60-0 368872-70-2 368872-71-3

368872-72-4

(synergistic fungicidal compns. containing)

IT 368872-60-0

(synergistic fungicidal compns. containing)

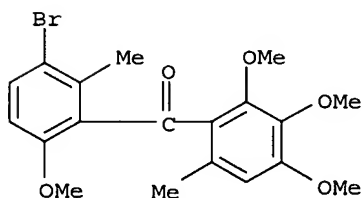
RN 368872-60-0 USPATFULL

CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- $\alpha$ -(methoxymethylene)-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6

CMF C19 H21 Br O5



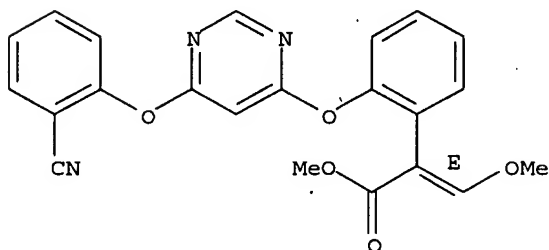
CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

CDES 2:E

Double bond geometry as shown.



L67 ANSWER 4 OF 7 USPATFULL on STN

AN 2002:283305 USPATFULL

TI Fungicidal compositions

IN Leadbitter, Neil, Berkshire, UNITED KINGDOM

PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

Search done by Ross Schipe

(non-U.S. corporation)  
 PI US 6472428 B1 20021029  
 WO 2000072677 20001207  
 AI US 2002-979330 20020212 (9)  
 WO 2000-EP4741 20000524  
 PRAI GB 1999-12219 19990526  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Robinson, Allen J.  
 LREP Gil, Joseph C.  
 CLMN Number of Claims: 7  
 ECL Exemplary Claim: 1  
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
 LN.CNT 473

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of combating phytopathogenic diseases on crop plants includes applying to the crop plants or the locus thereof being infested with a phytopathogenic disease an effective amount of a combination of

a) (E,E)- $\alpha$ -(methoxyimino)-2-[[[1-[3 (trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-benzeneacetic acid methyl ester of formula I  
 ##STR1##

in association with

b) a benzophenone of formula II ##STR2##

wherein

R.sub.1 is hydrogen, halogen, C.sub.1-5alkyl or CF.sub.3;

R.sub.2 is halogen, C.sub.1-5alkyl or CF.sub.3;

R.sub.3 is C.sub.1-5alkyl or optionally substituted benzyl; and

R.sub.4 is C.sub.1-5alkyl.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 309752-56-5 309752-57-6 309752-58-7  
 (synergistic fungicidal composition)

IT 309752-56-5  
 (synergistic fungicidal composition)

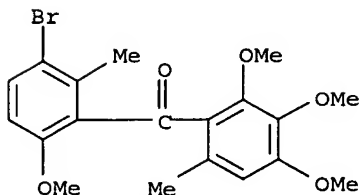
RN 309752-56-5 USPATFULL

CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6

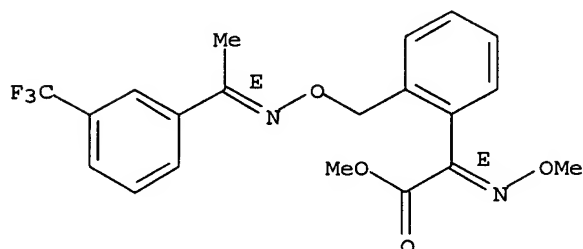
CMF C19 H21 Br O5



CM 2

CRN 141517-21-7  
 CMF C20 H19 F3 N2 O4  
 CDES 2:E,E

Double bond geometry as shown.



L67 ANSWER 5 OF 7 USPATFULL on STN  
 AN 2002:199137 USPATFULL  
 TI Fungicidal combinations  
 IN Dalton, Ian Paul, Sissach, SWITZERLAND  
 PI US 2002107246 A1 20020808

US 6689776 B2 20040210  
 AI US 2001-997607 A1 20011129 (9)

PRAI WO 2000-EP5433 20000613  
 GB 1999-13827 19990614  
 GB 1999-13826 19990614  
 GB 1999-13824 19990614  
 GB 1999-13822 19990614  
 GB 1999-13820 19990614  
 GB 1999-13818 19990614  
 GB 1999-13817 19990614  
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 GB 1999-13812 19990614  
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 GB 1999-13807 19990614  
 GB 1999-13805 19990614  
 GB 1999-13803 19990614  
 GB 1999-13798 19990614  
 GB 1999-13796 19990614  
 GB 1999-13794 19990614  
 GB 1999-13792 19990614  
 GB 1999-13789 19990614  
 GB 1999-13787 19990614

DT Utility  
 FS APPLICATION

LREP Thomas Hamilton, III, Syngenta Crop Protection, Inc., Patent and  
 Trademark Dept., 410 Swing Road, Greensboro, NC, 27409

CLMN Number of Claims: 7

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 663

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a method of combating phytopathogenic diseases  
 on crop plants which comprises applying to the crop plants or the locus  
 thereof being infested with said phytopathogenic disease an effective  
 amount of a combination of

a) a benzophenone of formula I ##STR1##

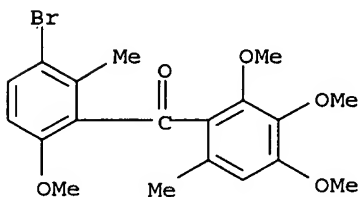
wherein R.sub.1 is methoxy or methyl, R.sub.2 is C.sub.1-C.sub.4alkoxy or 2-halogenbenzyloxy, R.sub.3 is C.sub.1-C.sub.4alkoxy, R.sub.4 is C.sub.1-C.sub.4alkyl, halogen or trifluoromethyl, and R.sub.5 is hydrogen, halogen, C.sub.1-C.sub.4alkoxy, trifluoromethyl or nitro;

in association with

b) a compound selected from the group comprising compounds of formulae II, III, IV, V, VI, VII, VIII, IX, X and XI as described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 220899-03-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-12-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-62-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-68-5D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides  
(in synergistic fungicidal combinations)  
IT 220899-03-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides  
(in synergistic fungicidal combinations)  
RN 220899-03-6 USPATFULL  
CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L67 ANSWER 6 OF 7 USPAT2 on STN  
AN 2003:238511 USPAT2  
TI Fungicidal compositions  
IN Leadbitter, Neil, Berkshire, UNITED KINGDOM  
PA Syngenta Crop Protection, Inc., Greensboro, NC, United States (U.S. corporation)  
PI US 6790851 B2 20040914  
WO 2001080643 20011101  
AI US 2003-258513 20030311 (10)  
WO 2001-EP4624 20010424  
PRAI GB 2000-10198 20000426  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Pryor, Alton N.  
LREP Allen, Rose M.  
CLMN Number of Claims: 5  
ECL Exemplary Claim: 1  
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
LN.CNT 501

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention comprises a method of combating phytopathogenic diseases on crop plants which comprises applying to the crop plants or the locus thereof being infested with said phytopathogenic disease an effective amount of a combination of

a) a benzophenone of formula I ##STR1##

wherein

R.sub.1 is methoxy, methyl, hydroxy, acetoxy or pivaloyloxy,

R.sub.2 is C.sub.1-C.sub.4alkoxy or 2-halogenbenzyloxy,

R.sub.3 is C.sub.1-C.sub.4alkoxy,

R.sub.4 is C.sub.1-C.sub.4alkyl, halogen or trifluoromethyl, and

R.sub.5 is hydrogen, halogen, C.sub.1-C.sub.4alkoxy, trifluoromethyl or nitro; in association with

b) the strobilurin of formula II ##STR2##

and a composition comprising fungicidally effective amounts of components I and II and a composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 368872-60-0 368872-70-2 368872-71-3

368872-72-4

(synergistic fungicidal compns. containing)

IT 368872-60-0

(synergistic fungicidal compns. containing)

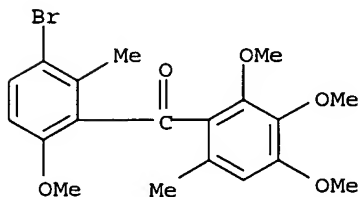
RN 368872-60-0 USPAT2

CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- $\alpha$ -(methoxymethylene)-, methyl ester, ( $\alpha$ E)-, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6

CMF C19 H21 Br O5



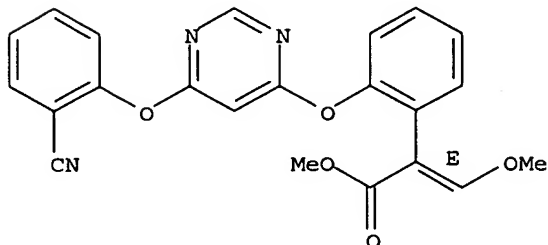
CM 2

CRN 131860-33-8

CMF C22 H17 N3 O5

CDES 2:E

Double bond geometry as shown.



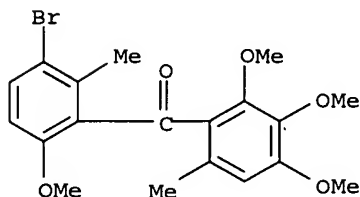
L67 ANSWER 7 OF 7 USPAT2 on STN  
 AN 2002:199137 USPAT2  
 TI Fungicidal combinations  
 IN Dalton, Ian Paul, Sissach, SWITZERLAND  
 PA Syngenta Crop Protection, Inc., Greensboro, NC, United States (U.S. corporation)  
 PI US 6689776 B2 20040210  
 AI US 2001-997607 20011129 (9)  
 RLI Continuation of Ser. No. WO 2000-EP5433, filed on 13 Jun 2000  
 PRAI GB 1999-13787 19990614  
 GB 1999-13789 19990614  
 GB 1999-13792 19990614  
 GB 1999-13794 19990614  
 GB 1999-13796 19990614  
 GB 1999-13798 19990614  
 GB 1999-13803 19990614  
 GB 1999-13805 19990614  
 GB 1999-13807 19990614  
 GB 1999-13808 19990614  
 GB 1999-13810 19990614  
 GB 1999-13812 19990614  
 GB 1999-13813 19990614  
 GB 1999-13814 19990614  
 GB 1999-13816 19990614  
 GB 1999-13817 19990614  
 GB 1999-13818 19990614  
 GB 1999-13820 19990614  
 GB 1999-13822 19990614  
 GB 1999-13824 19990614  
 GB 1999-13826 19990614  
 GB 1999-13827 19990614  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Pak, John  
 LREP Hamilton, Thomas  
 CLMN Number of Claims: 9  
 ECL Exemplary Claim: 1  
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)  
 LN.CNT 633  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The invention relates to a method of combating phytopathogenic diseases on crop plants which comprises applying to the crop plants or the locus thereof being infested with said phytopathogenic disease an effective amount of a combination of  
 a) a benzophenone of formula I ##STR1##  
 wherein R.sub.1 is methoxy or methyl, R.sub.2 is C.sub.1-C.sub.4alkoxy or 2-halogenbenzyloxy, R.sub.3 is C.sub.1-C.sub.4alkoxy, R.sub.4 is C.sub.1-C.sub.4alkyl, halogen or trifluoromethyl, and R.sub.5 is hydrogen, halogen, C.sub.1-C.sub.4alkoxy, trifluoromethyl or nitro;  
 in association with  
 b) a compound selected from the group comprising compounds of formulae II, III, IV, V, VI, VII, VIII, IX, X and XI as described herein.  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 IT 220899-03-6D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-12-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-62-9D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides 220900-68-5D, mixts. with strobilurins, cyanoimidazoles, and carbonic acid amides  
 (in synergistic fungicidal combinations)  
 IT 220899-03-6D, mixts. with strobilurins, cyanoimidazoles, and

carbonic acid amides

(in synergistic fungicidal combinations)

RN 220899-03-6 USPAT2

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



=> b caba

FILE 'CABA' ENTERED AT 08:38:17 ON 23 AUG 2005

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FILE COVERS 1973 TO 3 Aug 2005 (20050803/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

The CABA file was reloaded 7 December 2003. Enter HELP RLOAD for details.

=> d all 152 tot

L52 ANSWER 1 OF 2 CABA COPYRIGHT 2005 CABI on STN

AN 2003:90711 CABA

DN 20033061155

TI New fungicides and strategies for disease control in cereals

Nye midler til svampebekaempelse i korn

AU J<O>rgensen, L. N.; Jensen, K. F.

CS Danmarks JordbrugsForskning, Forskningscenter Flakkebjerg, DK-4200 Slagelse, Denmark.

SO DJF Rapport, Markbrug, (2003) No. 89, pp. 289-298. 6 ref.

Publisher: Danmarks JordbrugsForskning. Tjele

Price: Bulletin article; Conference paper

Meeting Info.: 20th Danish Plant Protection Conference 'Cereal, potatoes, pests, environment and posters', February 2003.

ISSN: 1397-9884

CY Denmark

DT Journal

LA Danish

SL English

ED Entered STN: 20030606

Last Updated on STN: 20040216

AB Several new fungicides have been tested in Denmark during the last few years. Some of these products have now been authorized but several are still waiting for a registration. Most of the products have been granted a biological approval by the Danish Institute of Agricultural Sciences (DIAS) based on GEP trials data provided by the institute and in some cases supported by GEP data provided by the chemical companies. Proline (prothioconazole) is a promising new ergosterol inhibitor, which has given very effective control on Rhynchosporium (Rhynchosporium secalis), net blotch (Drechslera teres [Pyrenophora teres]), and Septoria diseases (Septoria tritici [Mycosphaerella graminicola] and Stagonospora nodorum). The product is also known to give good control of Fusarium diseases. The product is not yet registered in Denmark. Juventus 90 (metconazole) has been tested in a different formulation to the one which was authorized in 2002. The product has generally given good control of Septoria and rust



diseases in wheat. In 2002 the product was also seen to control *Fusarium* ear blight in line with Follicur [tebuconazole]. Juventus is mainly seen as a tank mix partner to strobilurins. BAS 560 (metrafenone) is a specific mildewcide, which has given a high and long-lasting effect on mildew in both barley and wheat (*Blumeria graminis* [Erysiphe graminis]). The product is known to have effect on eyespot (*Pseudocercospora herpotrichoides*) although the efficacy in Danish trials so far has been relatively low, but in line with Unix [cyprodinil]. The product is not yet registered in Denmark. Comet (pyraclostrobin) and Opera (pyraclostrobin+epoxiconazole) have both given a very high and broad control of most cereal diseases. In particular the effect on Septoria diseases and tan spot (*Drechslera tritici-repentis* [Pyrenophora tritici-repentis]) has been better compared with other products. The products have, used at gs. 39, given a very good and long-lasting effect on diseases in wheat, indicating greater flexibility in timing due to better curativity compared with other strobilurins. Pyraclostrobin was authorized in 2002, but epoxiconazole is not authorized. Acanto (picoxystrobin) has been tested and granted biological approval for all major diseases in cereal. Particularly on barley diseases the product has provided a very high level of efficacy. As regards diseases in wheat the product has been very similar to Amistar [azoxystrobin] although the effect on tan spot has been found to be considerable higher. The product is not yet registered in Denmark.

CC FF005 Field Crops (New March 2000); FF610 Viral, Bacterial and Fungal Diseases of Plants (New March 2000); HH405 Pesticides and Drugs; Control (New March 2000); HH420 Pesticides and Drugs; Chemistry and Formulation (New March 2000)

SC OQ; 6T; OM; CA; PE; CR

GT Denmark

BT Scandinavia; Northern Europe; Europe; Developed Countries; European Union Countries; OECD Countries; Deuteromycotina; Eumycota; fungi; Pyrenophora; Drechslera; Erysiphe; Erysiphales; Ascomycotina; Hordeum; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Mycosphaerella; Dothideales; Pseudocercospora; Rhynchosporium; Stagonospora; Triticum

CT barley; cereals; chemical control; ergosterol; formulations; fungal diseases; fungicides; metabolic inhibitors; plant disease control; plant diseases; plant pathogenic fungi; plant pathogens; proline; wheat; tebuconazole

ST Coelomycetes; Drechslera tritici-repentis; epoxiconazole; Hyphomycetes; Phaeosphaeria; Phaeosphaeria nodorum; Phaeosphaeriaceae; prothioconazole; pyraclostrobin; Stagonospora nodorum; strobilurin; metconazole; metrafenone; cyprodinil; picoxystrobin; azoxystrobin

RN 57-87-4; 147-85-3

ORGN Drechslera; Erysiphe graminis; Hordeum vulgare; Mycosphaerella graminicola; Pseudocercospora herpotrichoides; Pyrenophora teres; Pyrenophora tritici-repentis; Rhynchosporium secalis; Stagonospora; Triticum; Triticum aestivum; Leptosphaeria nodorum

L52 ANSWER 2 OF 2 CABA COPYRIGHT 2005 CABI on STN

AN 2003:71459 CABA

DN 20033037268

TI Common names of pesticides recently approved by the BSI

AU Walker, S. B.

CS BARK Information Services, Stainmoor House, Kirkby Malzeard, Ripon, N Yorks HG4 3QL, UK.

SO Pest Management Science, (2003) Vol. 59, No. 3, pp. 371-373.  
Publisher: John Wiley & Sons. Chichester  
ISSN: 1526-498X

CY United Kingdom

DT Journal

LA English

ED Entered STN: 20030502  
Last Updated on STN: 20030502

AB This paper provides the common names, chemical names and chemical structures of one acaricide (amidoflumet), 4 fungicides (dimoxystrobin,

metrafenone, nicobifen and tiadinil), 5 insecticides (flonicamid, flufenimer, noviflumuron, pyridalyl and thiosultap) and 2 herbicides (cyflufenamid and metamifop) recently approved by the Technical Committee AW/81 of the British Standards Institution. These names have also been approved as provisionally adopted International Standards Organization names. The chemical name provided for each pesticide is the IUPAC name.

CC HH400 Pesticides and Drugs (General)

SC OW; OM; OE; CA; PE

CT acaricides; chemical structure; fungicides; herbicides; insecticides; ISO

ST amidoflumet; cyflufenamid; dimoxystrobin; flonicamid; flufenimer;

metamifop; metrafenone; nicobifen; noviflumuron; pyridalyl;

thiosultap; tiadinil

=> b home

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